The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

APRIL 30 1955

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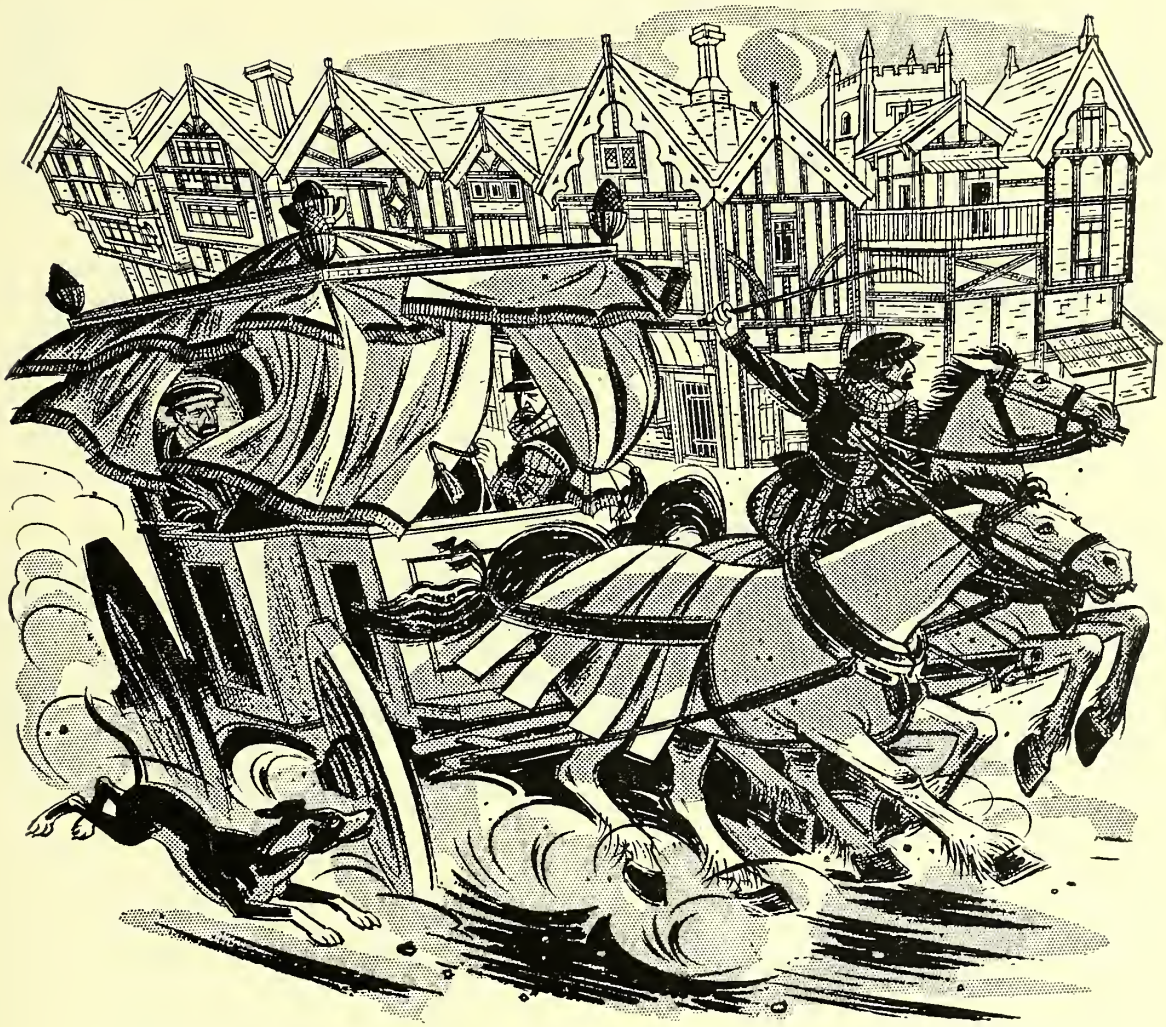
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So well known

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Thompson's **SLIPPERY ELM FOOD**
is another good-selling
Potter's **product**

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When the great Cardan of Milan was called to the Edinburgh of Mary Queen of Scots to treat the Archbishop of St. Andrews for "the disease the Greeks called asthma", the last part of his journey north from London took 23 days.

Today's patient does not have to wait for treatment. An injection of Adrenaline, a dose of Ephedrine or, best of all, Isoprenaline by oral inhalation or sublingual administration brings immediate relief. Adrenaline, Ephedrine and Isoprenaline are three of the fine chemicals available from Burroughs Wellcome & Co. in large or small quantities and at strictly competitive prices.

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MACLEANS
PEROXIDE TOOTH PASTE

AND

FYNNON SALT

New prices and terms effective from 21st April, 1955, are as follows:

MACLEANS PEROXIDE TOOTH PASTE	Retail price per unit (inc. P.T.)	Standard trade price per Dozen
Extra Large Size	2/6d.	19/-
Standard Size	1/8d.	12/8d.
FYNNON SALT	2/6d.	19/6d.

An order for Macleans Peroxide Tooth Paste and Fynnon Salt may be included with other products to qualify for parcel terms. Our representative will be pleased to provide details.

MACLEANS LIMITED

GREAT WEST ROAD, BRENTFORD, MIDDX.

Telephone: EALING 6616

5 day advertising

Up goes the sales graph! And riding on the peak comes your new 5 Day advertising support—one hundred per cent. increase for '55-'56! Starting June, this big new campaign sells 5 Day speed, 5 Day neatness, 5 Day *effectiveness*—the three beat-'em-all points of this fastest-selling deodorant. Stocks are ready now—get them and sell them!

DOUBLED!

TRADE TERMS AND PRICES

5 Day Sticks (retail price 1/9)—9/4 per dozen.
5 Day Pads (retail price 1/9)—9/4 per dozen.
5 Day Pads—large size—(retail price 3/-)—16/- per dozen.

5% *Display Discount on orders for 3 dozen—Sticks, Pads, or mixed, in complete dozens, as you like.*



Bonus offer time extended

Because of delayed Budget announcement, Bonus terms extended until 31st May . . .

Order 3 dozen 5 Day Sticks, 2 dozen 1/9 5 Day Pads, ½ dozen 3/- 5 Day Pads. **This composite order, attractively packed in a combined Display Dispenser unit, carries a 10% bonus discount in return for 14 days' display.**

10% bonus discount on Quickies, too!

By ordering a minimum of 10 dozen 1/9 Vanity pack Quickies and 1 dozen 4/- 'Keep-Moist' jars, *with your bonus order of 5 Day deodorants*, a special 10% bonus Display Discount will be granted on Quickies.

Orders for bonus terms must be received before May 31st.

Sole Distributors: **FASSETT & JOHNSON LTD, 86 CLERKENWELL ROAD, LONDON, EC1**

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COLCHICIN, B.P. 1953

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Drug Extracts for all purposes

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CREAM OF CALAMINE

Summer sun will soon be here — and with it scorched skins. Esoban De Luxe Cream of Calamine brings ease and comfort. Ideal for sunburn, skin irritation, chafing and eczema. Stock up now—

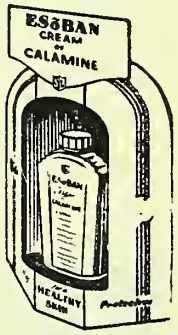
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33⅓% discount and bonus 13 to the dozen.

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5% on £5 and 10% on £10 direct orders in return for 14-day counter and window display.

★ ***Send for attractive show material.***



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Ocusol *eye drops*

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INDEX TO ADVERTISERS

Agfa, Ltd. 33
Askit, Ltd. 24

Bailey, Robert, & Son, Ltd. 40
Beatson, Clark & Co., Ltd. 43
Beecham Foods, Ltd. (Quosh) 31
Beechams Pharmaceuticals, Ltd. 32
Berdoe & Fish 58
Biorex Laboratories, Ltd. 52
Boots Pure Drug Co., Ltd. 4
Boutalls Chemists, Ltd. ..... Leader Page
British Drug Houses, Ltd., The 37
British Dyewood Co., Ltd., The 42
Brome & Schimmer 58
Brown, Neville & Co., Ltd. 13, 26
Buckley Bowker Tablet Co., Ltd. 42
Burroughs Wellcome & Co. 1, 36

Cannon Rubber Manufacturers, Ltd. 41
Carnegies of Welwyn, Ltd. 6
Chappie, Ltd. 25
Chemist and Druggist Art of Dispensing 50
Chemist and Druggist Poisons Guide 54
Chemist and Druggist Veterinary Handbook 45
Chesebrough Manufacturing Co., Ltd. 22
Ciba Laboratories, Ltd. ..... Leader Page
Coates & Cooper, Ltd. 48
Compressed Paper Packing, Ltd. 42
Cox, Arthur H., & Co., Ltd. 8
Cox, James & Co. 18
Crookes Laboratories, Ltd., The 11
Cuticura Preparations 46

Daniel, Richard, & Son, Ltd. 13
Delavelle (G.B.), Ltd. 27
Dr. Inverni & Della Beffa, S.p.A. 4

Edme, Ltd. 44
Elliman Sons & Co., Ltd. 16

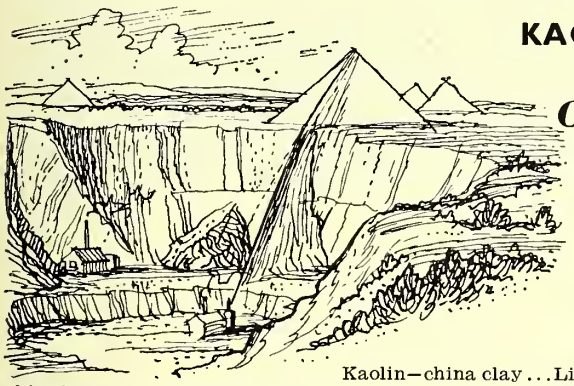
Feedrite, Ltd. 14
Fish Optical Co., Ltd. 42
Ford, Jackson & Co., Ltd. 24

Gardiner & Co. (The Scotch House), Ltd. 5
G.B. Equipments, Ltd. 23, 53
Geigy Pharmaceutical Co., Ltd. 34
Gerard Bros., Ltd. 52
Gerhardt, C. F., Ltd. 48
Gevaert, Ltd. 10
Gibson, Robert, & Sons, Ltd. 46
Glaxo Laboratories, Ltd. ..... Interleaved Edit., 487
Graesser-Thomas, H. W., Ltd. 38
Gregg & Co. (Knottingley), Ltd. 40

Halex, Ltd. 12
Hampshire, F. W., & Co., Ltd. 19
Hinders, Ltd. 52
Hooper, B., & Co., Ltd. 44
Hotchkiss, H. G., Essential Oil Co., The 22
Hygienic Drinking Straws, Ltd. ..... Classified Section

Ilford, Ltd. 47

(continued overleaf)



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INDEX (cont.)

Imperial Chemical (Pharmaceuticals), Ltd. ..... Interleaved Edit., 488

Jeffreys, Miller & Co., Ltd. 48
Jobling, James A., & Co., Ltd. 38

Kearsley, C. & G., Ltd. 38
Kellys, John (London), Ltd. .....Leader Page

Lastonet Products, Ltd. 46
Lederle Laboratories Division 9
Lehn & Fink Products, Ltd. 59
Leslies, Ltd. 26

Macfarlan, J. F., & Co., Ltd. .....Cover i
Macleans, Ltd. 2
Marns, Thomas, Ltd. .....Cover iv
Medico-Biological Laboratories, Ltd. 49
Menley & James, Ltd. 60
'Myers of Old Street' .....Classified Section
Myers, S. I. .....Classified Section

Nurse Sykes Co. .....Leader Page

Oliver's, William (Rubber), Ltd. 28
Orridge & Co. .....Classified Section

Perihel, Ltd. 55
Phillips, Chas. H., Chemical Co., Ltd., The 15

Potter & Clarke, Ltd. .....Cover ii
Prince Regent Tar Co., Ltd., The 22
Pritchards, Ltd. 14

"Radio Times" 57
Rapidol, Ltd. 58
Remington Rand, Ltd. 17
Ribbands, C., & Sons .....Classified Section
Robinson & Sons, Ltd. 51
Rose, L., & Co., Ltd. 28

Sandoz Products, Ltd. 56
Shannon, Ltd., The 35
Sharp & Dohme, Ltd. 30
Societa per Azioni Industrie Agricole Meridionali ... 38
Southon Laboratories, Ltd. 4
Sponcel, Ltd. 20, 21
Sturge, J. & E., Ltd. 50
Surgical Hosiery Co., Ltd. 44

Tattoo Cosmetics, Ltd. 3
Thermos (1925), Ltd. 40

Ultra-Violet, Ltd. 24

Waide, Thos., & Sons, Ltd 29
Warner, William R., & Co., Ltd. 7
Whiffen & Sons, Ltd. .....Cover iii
Wiles, C., Ltd. 58

Zimmermann, Chas., & Co., Ltd. 39

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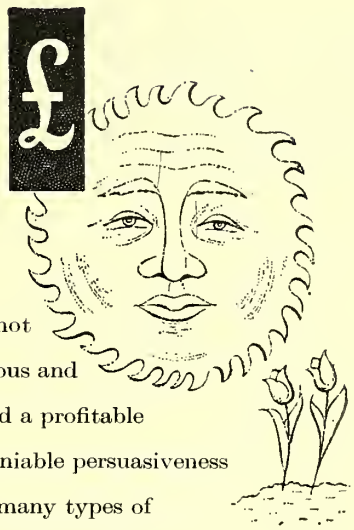
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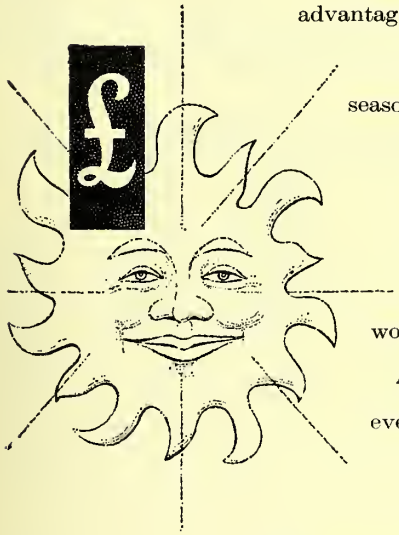
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P.A.T.A

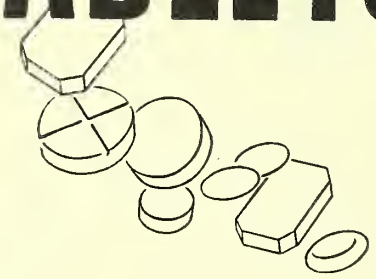


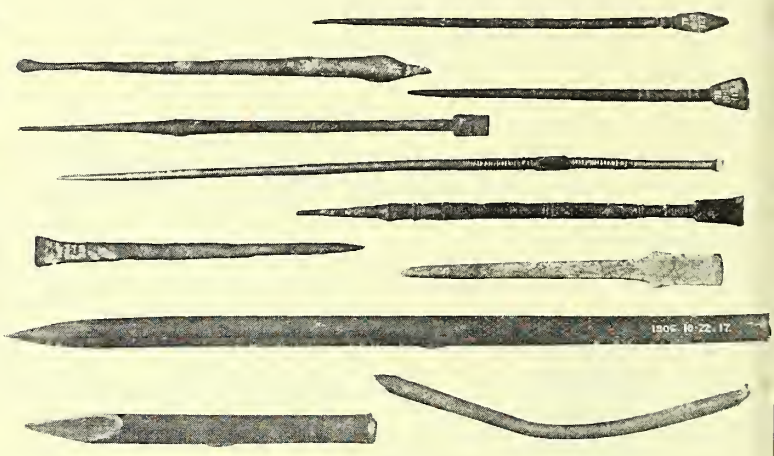
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No. 4 of a New Series **PRESENTED BY ARTHUR H. COX & CO. LTD**

It depends what you mean by

"TABLETS"





The Roman tablet closely followed the Greek in design and purpose—a stylus used on wax. Several styli are shown in our illustration this month. With them can be seen four pens with nib-like points used for writing on a whitened surface such as gypsum.[1] Tablets were renewed by scraping off the old wax and pouring fresh melted wax over them. Like the Greek examples they were made of wood, the more expensive from citronwood or ivory. They were fastened together by means of wire which acted as hinges so that they could be opened and closed like the books of today. Sometimes up to six or even more tablets could be fastened in this manner. Tablets so bound together were called a *Codex*. When a large number were combined they were provided with a handle by which they could be carried or hung up. Tablets in this form were called *Codices ansati*. The Latin word *pugillares* which is the name often given to tablets covered with wax derived from *pugnus, pugillus,* because they were small enough to be held in the hand.

Tablets containing important legal documents were pierced through with holes for thread upon which a seal was placed. This was intended to guard against forgery and if it was not done such documents were null and void.

Medicinal tablets of course do not carry seals as a guarantee of their authenticity although some are embossed or indented with a famous name or a brand mark according to the particular customer's requirements. However—the fact that a tablet is a product of the Cox Organisation is in itself a seal, and an assurance that nothing has been allowed to interfere with its reaching the highest therapeutic standards.

[1] *Greek writing tablets (No. 3) C. & D., page* 8, 26/3/55

. . . but the best tablets TO-DAY are made by

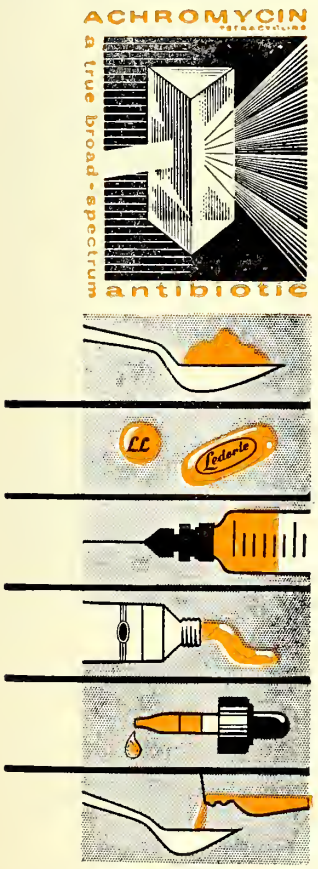
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offers wider scope in general practice . . .



available in many dosage forms

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Capsules 50 mg.—Vials of 25 and 100. 250 mg.—Vials of 16, bottles of 100.

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Spersoids.† Dispersible powder—Jars of 36 Gm. and 75 Gm.

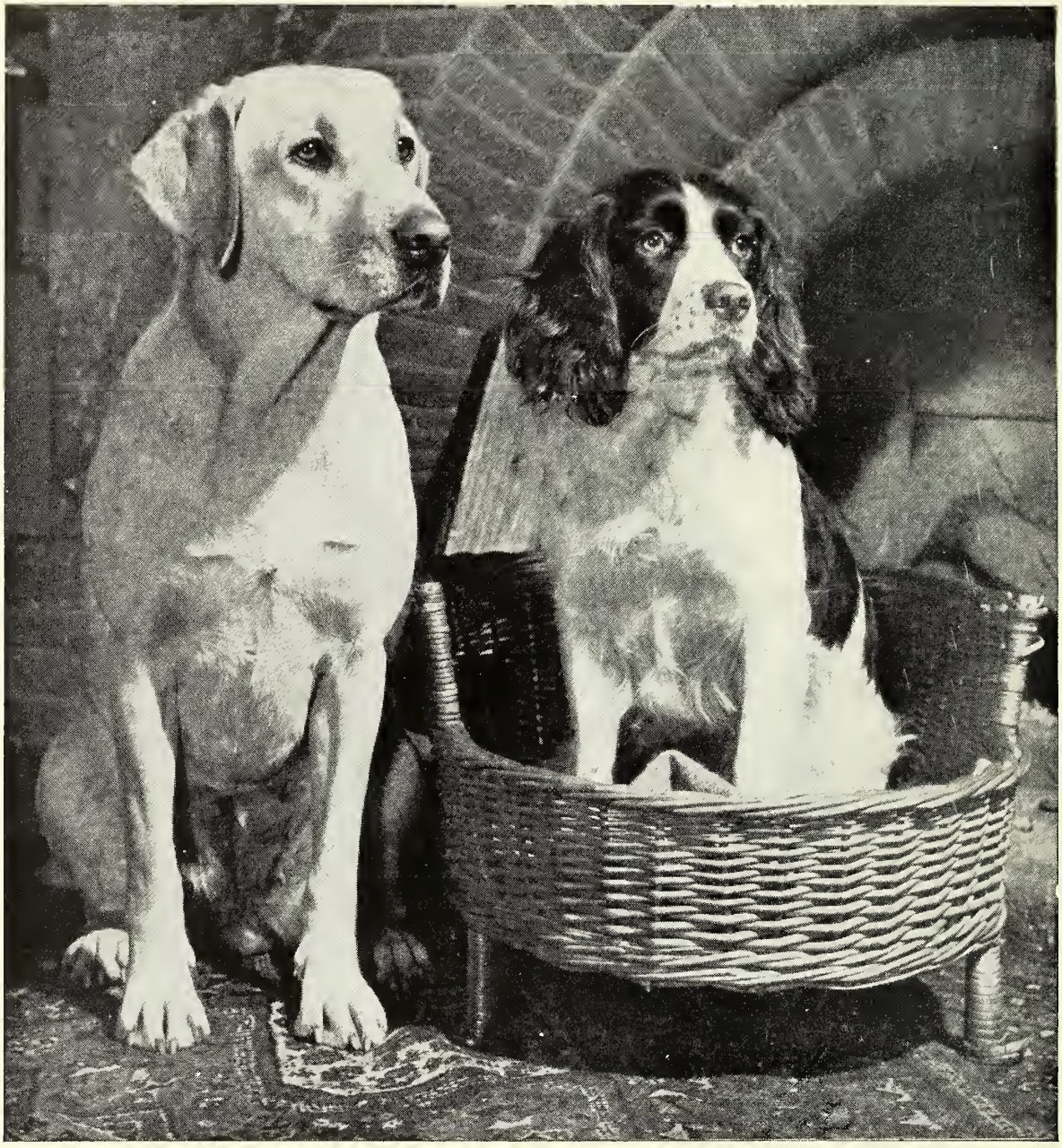
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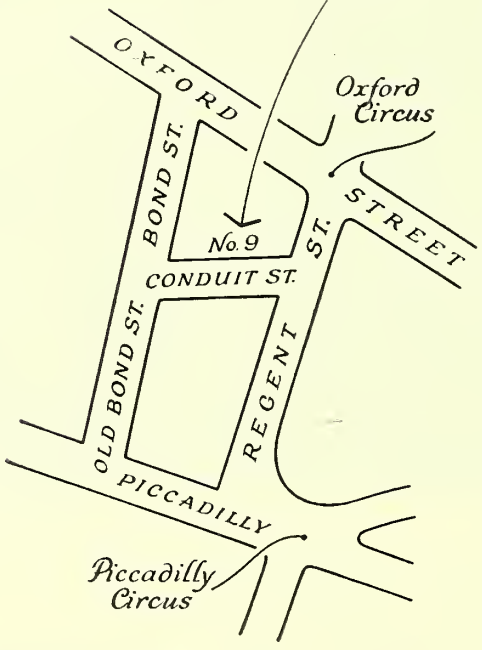
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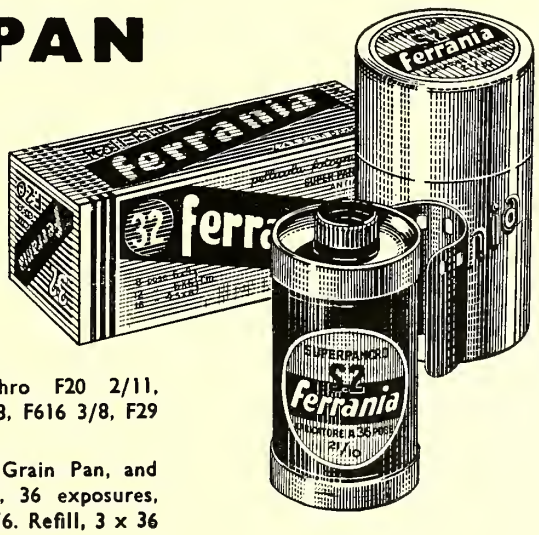
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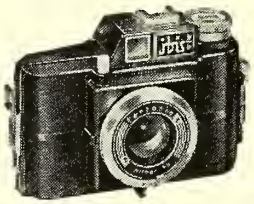


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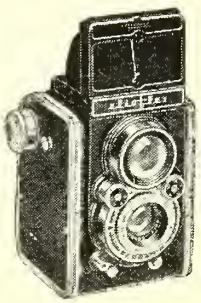
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" "	3/8d.	27/4d.
* 'Milk of Magnesia' Tablets 12's	10d.	6/3d.
" " " 30's	1/6d.	11/4d.
" " " 75's	3/–d.	22/8d.
" " " 150's	5/–d.	37/10d.
* 'Mil-Par' Antacid Lubricant	3/–d.	22/8d.
" " "	5/–d.	37/10d.
* 'California Syrup of Figs' C.P.	1/8d.	12/6d.
" " "	3/4d.	24/9d.
* 'California Syrup of Figs' G.P.	1/8d.	13/6d.
" " "	3/4d.	26/11d.
Toilet Articles (*Tax* 25%)		
Phillips' Toothpaste	1/8d.	12/5d.
" "	2/6d.	19/–d.
Cosmetics, etc. (*Tax* 75%)		
* 'Danderine'	2/–d.	12/–d.
Phillips' Magnesia Texture Cream	1/3d.	7/1d.
" " " "	2/9d.	15/10d.
Phillips' Magnesia Cleansing Cream	1/3d.	7/1d.
" " " "	2/9d.	15/10d.

The display discounts remain as previously.

* *Registered Trade Marks.*

ELLIMAN'S SPRING BONUS Offer!

AVAILABLE 1st APRIL to 30th MAY, ONLY



For every 1 dozen 2/- size (15/4 dozen)
ELLIMAN'S UNIVERSAL EMBROCATION
ordered you receive
ONE FREE BOTTLE
of ELLIMAN ATHLETIC RUB (Retail value 2/-)
Plus a Display Discount of 7½%
Minimum order 2 dozen.

PROFIT ON TWO DOZEN 44%

and/or



For every 1 dozen 2/9 size (21/- dozen)
ELLIMAN'S UNIVERSAL EMBROCATION
ordered you receive
TWO FREE BOTTLES
of ELLIMAN ATHLETIC RUB (Retail value 4/-)
Plus a Display Discount of 7½%
Minimum order 1 dozen.

PROFIT ON ONE DOZEN 50%

WE PAY TAX ON BONUS BOTTLES
AND SEND YOU DISPLAY MATERIAL
ORDER DIRECT OR THROUGH YOUR WHOLESALER

This is the season of Stiffness, Aches, Strains and Sprains, when muscles are subjected to unaccustomed exercise. ELLIMAN ATHLETIC RUB, made specially for Sportsmen, will be in lively demand. Special advertising starting NOW will appear in all the principal sports magazines during the year.

Take advantage of this Special Bonus Offer now. Make sure there are no missed sales because you haven't enough ELLIMAN'S or ELLIMAN RUB in stock.

ELLIMAN SONS & CO. LTD. SLOUGH, BUCKS

NOW

A NEW REMINGTON SHAVER

at a Mass-Appeal price

RETAIL **£7·5·0** INC. TAX

Here's a sure-fire seller — the Remington New Contour. It's the 'second line' shaver developed by Remington; it answers dealer demands for a cheaper, mass-appeal model.

Remington New Contour opens wide a tremendous additional market; brings luxury shaving within reach of 18,000,000 potential buyers. It is introduced with the backing and prestige of the name "Remington". Already in demand — and that demand will rise as national advertising gets under way. Full trade discounts apply; supplies are available through your normal wholesaler or direct from Remington Rand. So *act now*; the sooner you're handling this model, the sooner you'll be enjoying additional profit

✱**NATIONAL ADVERTISING INTRODUCES THE CONTOUR IN**
Daily Express, Daily Mail, Daily Herald, Daily Mirror, News Chronicle, Evening News, News of the World, The People, Sporting Record, Reveille for the Weekend, Mid-week Reveille



Tap a vast new market with the

REMINGTON
NEW Contour

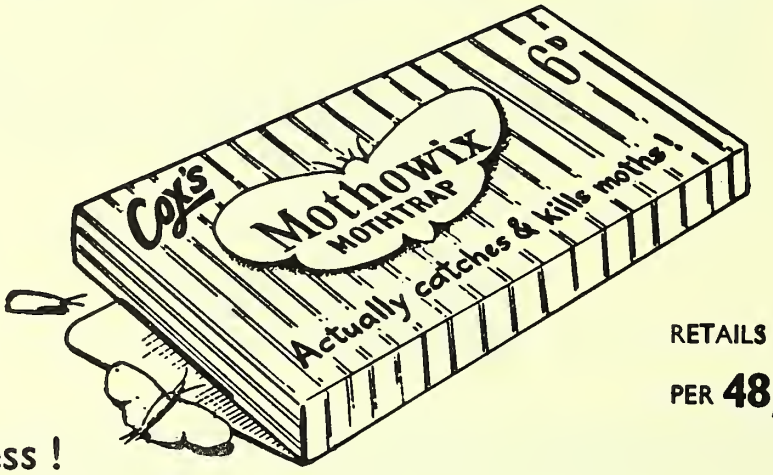
Further trade details from your usual wholesaler or direct from

REMINGTON RAND LTD
Shaver Division, 1-19 New Oxford Street, London WC1

Regular Model 210-240V AC/DC **£7.5.0**

Dual Volt Model 110-150V; 190-240V AC/DC **£7.17.4**

"MOTHOWIX" MOTHTRAP



RETAILS AT **6D**
PER **48/-** GROSS

★ Odourless!

★ Actually catches and kills moths!

order with

Cox's

THE ORIGINAL

D.D.T. FLYCARDS

Cox's 3d.	**D.D.T. FLYCARDS** (THE ORIGINAL) ...	**24/-** PER GROSS
Cox's 3d.	**D.D.T. CHIMPS**...	**24/-** ,, ,,
Cox's 4d.	**D.D.T. PARROTS**	**32/-** ,, ,,
Cox's 4d.	**D.D.T. ROSE BASKETS**	**32/-** ,, ,,
Cox's 6d.	**MOTHOWIX MOTHTRAPS**	**48/-** ,, ,,

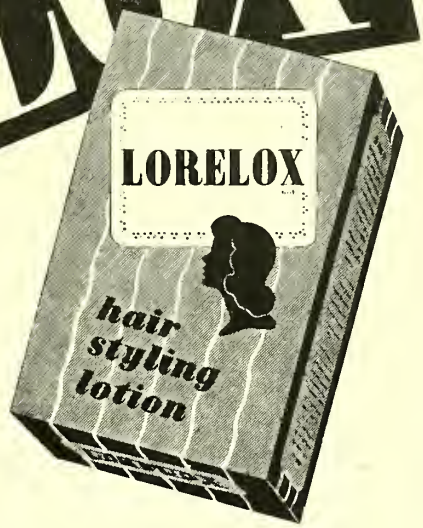
LESS 2½% MONTHLY ACCOUNT

BONUS TERMS—10% ON ORDERS FOR 3 GROSS

THIS OFFER APPLIES TO ORDERS FOR FLYCARDS AND MOTHOWIX
IN ANY ASSORTMENT

JAMES COX & CO., D.D.T. WORKS, STH. HARROW, MIDDLESEX. Telephone: **BYRON 4326**

Look! NEW LORELOX



makes big news with a massive advertising campaign!

NEW LORELOX is something really new and exciting in the field of hair beauty preparations. **It adds sheen as it sets.** Only Lorelox, evolved to a new scientific formula, can give women this amazing development in hair beauty of perfect setting and glorious sheen.

Hundreds and thousands of women are already enthusiastic users of Lorelox. Millions more will read about new Lorelox in this year's big advertising campaign.

New Lorelox makes news in:—

DAILY MIRROR · REVEILLE · WOMAN · WOMAN'S OWN · WOMAN'S ILLUSTRATED PICTUREGOER · EVERYWOMAN · SECRETS · HOME NOTES · HOME CHAT · TRUE STORIES PHOTOPLAY · VANITY FAIR · MODERN WOMAN · TRUE ROMANCES · RED LETTER RED STAR · WEEKLY WELCOME · MY WEEKLY · SHE · LUCKY STAR · SILVER STAR · GLAMOUR.

This nation-wide campaign for new Lorelox has been so timed that widespread distribution will have been obtained by the time the advertising breaks. Don't worry, therefore, about the stock you have as new Lorelox has been going out to the trade for many weeks.

Display Lorelox on your counter and cash in on the powerful national advertising in newspapers and women's magazines.

Your customers will ask for NEW LORELOX

F. W. HAMPSHIRE & CO. LTD · SUNNYDALE · DERBY

NEW! "Spontex" Cellulose Toilet Sponges Now in Waterproof Sponge Bag Packs

No. 44 BATH, No. 33 TOILET, No. 25P BABY



These new packs will ensure that customers choose "Spontex" —display now!

Delightful to look at, these new packs present Toilet "Spontex" in the most attractive way yet—keeping the sponges daintily soft, at the same time enhancing their pretty pastel colours. Display the new "Spontex" packs. Get extra sales from the start of the Summer season. Order from your Wholesaler now.



EVERY HALF DOZ. "SPONTEX" PACKED IN ATTRACTIVE NEW COLOURFUL DISPLAY DISPENSERS

Place this new-style decorative dispenser in a prominent position on your counter. Customers stop, look, try (they're so soft) and BUY, and come again for more. "Spontex" are cellulose, not rubber.

BIGGEST EVER ADVERTISING CAMPAIGN

AND TO HELP YOU SELL MORE "SPONTEX"

- MORE FILMS
- MORE PRESS ADVERTISING
- WOMENS PAPERS
- NATIONAL SUNDAY PAPERS

"SPONTEX" WILL CONTINUE TO MEAN MOST BUSINESS FOR YOU!

Agent in Southern Ireland: H. D. LITTLE, 5 Burgh Quay, Dublin

ANNOUNCING THE NEW Spontex BIG BATH SPONGE

It's cellulose too —not rubber!

SELLING AT 5/10d including P.T.

SPECIAL INTRODUCTORY OFFER TILL END OF MAY ONLY

FREE SPONGE, VALUE, 5/10 AND SPECIAL DISPLAY FOR EVERY DOZ. ORDERED

Write now—Details below



For details of this **free** offer, merely tear out coupon at right, attach to your letter heading and post to Sponcel Ltd., 40 Chancery Lane, London, W.C.2. A reply paid **special order card** will then be sent you. When this is returned to us duly completed we will despatch to you your FREE sponge (value 5/10d) and the special display. Your qualifying order will be passed to your Wholesaler for invoice and delivery.

This FREE offer is available *only* against orders sent to us on the **special reply paid order card.** So post coupon for this today. Big Bath 'Spontex' shows you a profit of 1/8d. on *every sponge* and meets a known demand for a big value toilet sponge.

Sponges available in pink, green, blue and yellow, attractively packed in assorted half-dozens, in waterproof sponge bags. This special display piece will make a strong point-of-sale attraction in your shop.



ADDITIONAL DISPLAY UNIT PACKED WITH EVERY HALF DOZEN BIG BATH 'SPONTEX'

TEAR OUT AND POST TODAY!

CD

COUPON

To: SPONCEL LTD.,
40 Chancery Lane, W.C.2

I would like to have particulars of the FREE 5s.10d. 'Spontex' Sponge and display offer. Please send details. My name and address is attached.

The Budget's over

Now's the time to stock up with 'VASELINE' brand products

Vaseline* Petroleum Jelly

Vaseline* Hand Cream

Vaseline* Hair Tonic

Vaseline* Hair Cream

Vaseline* Shampoos

★

This year they are backed by more advertisements than ever before

* Vaseline is the registered trade mark of the Chesebrough Mfg. Co. Ltd.

Bulk suppliers of . . .

DISINFECTANTS & ANTISEPTICS

- **CARBOLIC FLUIDS** Black and White types with Co-efficients 2 to 24
- **APPROVED FLUIDS** (Under the Diseases of Animals Acts)
- **PINE FLUIDS**
- **AROMATIC FLUIDS**
- **LYSOL B.P.**
- **LIQUOR— CHLOROXYLENOLIS B.P.**

Packed in 1, 5, 10 and 40 gallon drums

THE PRINCE REGENT TAR CO. LTD.

BRETTENHAM HOUSE, LANCASTER PLACE, STRAND, LONDON, W.C.2

Telephone: TEMPLE BAR 5801 (8 lines)

Also at :— PRINCE REGENT'S WHARF, SILVERTOWN, LONDON, E.16

Telephone: ALBERT DOCK 3311

Standard For Quality

SINCE 1839

AMERICAN OILS of PEPPERMINT

(Menthae Piperitae)

SPEARMINT

(Menthae Viridis)

THE

H. G. HOTCHKISS ESSENTIAL OIL CO.

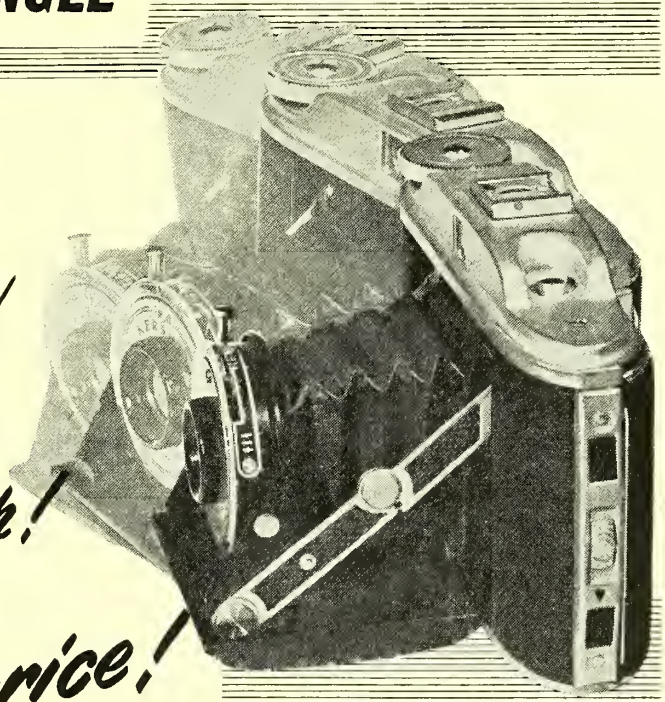
Established 1839

Lyons, Wayne County, N.Y. U.S.A.

17 First Prize Medals
LONDON — PARIS — HAMBURG
VIENNA — WIEN — PHILADELPHIA
NEW YORK

LOOK AT THE 110!

FROM EVERY ANGLE



Look at the specification!

Look at the style!

Look at the finish!

Look at the price!

£5·19·10

(INC. P. TAX)

THIS IS IT! A simple-to-use luxury snapshot camera at a popular price. Features include f/11 and f/16 aperture settings, popular 2¼" square format—12 exposures on 120 film — eye-level viewfinder and synchronised flash fitting. Finished in handsome leatherette, it's the best buy on the market.

Stock the 110 today—

there is nothing cheap about this camera but the price...

THE 630 CAMERA

With f/6.3 coated anastigmat lens, 3-speed shutter and other refinements for the snapshotter who wants a little more—and is prepared to pay a little more to get it.

£9 • 18 • 9 *(inc. P. Tax)*

SO...BE SURE—WITH

G.B.-KERSHAW

Distributed by
G.B. EQUIPMENTS LTD.
Photographic & Optical Division,
Dept. CD/30/4/55, Mortimer House,
37-41 Mortimer St. London, W.1.
MUSeum 5432.

A Member of the BRITISH OPTICAL AND PRECISION ENGINEERS' GROUP *Within the* J. Arthur Rank Organisation

FLYPAK kills flies cleanly!



"HANG UP A FLYPAK" . . .

. . . is the new compelling slogan for a line that is far ahead of all competition because it is now impregnated with FOUR most powerful insecticides :— D.D.T., Gamma B.H.C., Pyrethrins, Paradichlorbenzene, PLUS D.C.M.X. to attack the germs and bacteria carried by the flies. In addition Flypak is designed as a sales winner. It is attractively packed, easy to hang up, and has a pleasant smell. It comes in display outers containing 3 doz.

4/- PER DOZ. (Min. order 3 doz.)

SPECIAL BONUS OFFER

An order for 1 GROSS or more received by 31st MAY 1955 brings you an EXTRA 5% DISCOUNT

FLYPAK will sell on sight — profitably too — so anticipate the big Summer demand by placing your order NOW!!

Sole Distributors:

DALMAS LTD., Junior Street, LEICESTER. *Tel. 65261*

also 140/142 St. John Street, London E.C.1. *Tel. Clerkenwell 3399*

IN LONDON

Askit

stocked and supplied by:

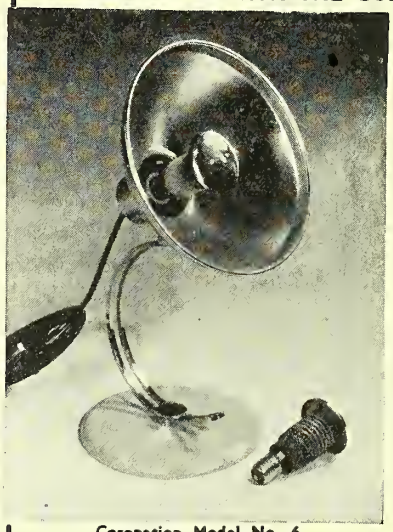
Allied Drug & Chemical Co., N.W.1
Barclay & Sons Ltd.
Brooks & Warburton Ltd., S.W.1
Butler & Crispe Ltd., E.C.1
R. Hovenden & Sons Ltd., E.C.1
May, Roberts & Co. Ltd., N.16
Martindale's, W.1
Sangers Ltd., N.W.1
United Chemists Association Ltd.

and other leading wholesale houses throughout the country

ASKIT LTD., MANUFACTURING CHEMISTS, GLASGOW N.

THE CARDINAL INFRA-RED AND RADIANT HEAT APPARATUS

THE ONLY ONE WITH THE GOLD REFLECTOR



Coronation Model No. 6

for
RHEUMATISM
ARTHRITIS
&c.
is the best and easiest to sell.

£6 4s. 0d.

Also the Cardinal Ultra-Vitalux Apparatus Coronation Model No. 2
£10 12s. 0d.
Medical Certificate required.

25% Retail discount, post free.

Send for particulars, and display cards to :

ULTRA-VIOLET LIMITED

Avenue Chambers, Vernon Place, London, W.C.1



A monster spring booster campaign for Kit-E-Kat and Meet in leading National papers and magazines...96,576,000 large size advertisements within these two weeks!

APRIL 17th TO APRIL 30th



WITH A SPECIALLY DESIGNED SELL-OUT BOX FOR *YOUR* COUNTER CONTAINING

KIT-E-KAT AND **MEET**

The Household Name for Cat Food.

4½ DOZ. TINS

the newest, biggest Sales Success—Solid Meat in Chunks.

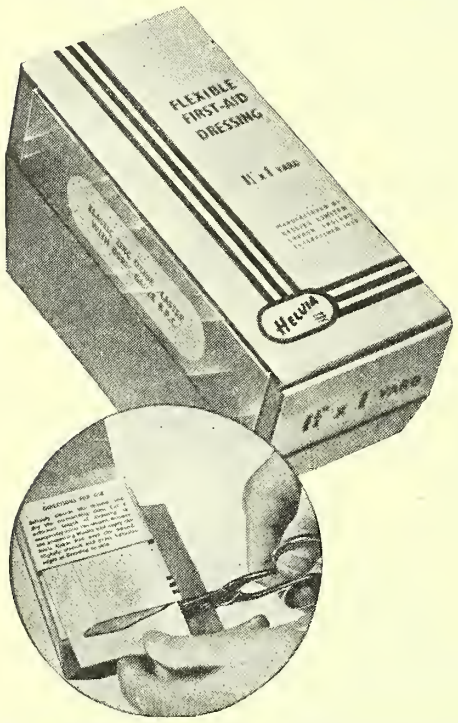
1½ DOZ. TINS

45/9

If in difficulty write to Sales Director, Chappie Ltd., Melton Mowbray, Leicestershire.

- *REMEMBER-PROFITS RISE AND STAY THAT WAY-WHEN YOU BACK UP WITH DISPLAY!*
- **ORDER YOUR SPECIAL SUPPLY FROM YOUR SUPPLIER NOW!**

A BETTER DRESSING IN A BETTER PACK!



HELVIA
REGD TRADE MARK

FLEXIBLE FIRST-AID DRESSING

A better dressing in a better pack of the pull-out dispenser type. Your customers won't be slow to see the advantages of this hygienic, convenient dressing. They just cut off a large or small strip as required—the rest remains protected and untouched. Ask your Wholesaler for stocks of HELVIA Flexible Dressing — compact, convenient, hygienic — the modern First-Aid Dressing.

Made up in continuous lengths of one yard in widths of 1½, 2½, and 3 inches—ideal for home, sport and motoring.

LESLIES LTD, WALTHAMSTOW, LONDON, E.17 *Established 1823*

• THE GREATEST DEVELOPMENT IN TANKS FOR 20 YEARS

• Not since spiral tanks were first invented has such a great advance in design been made as in the new POLLY-MIN. This is a brand new developing tank designed specially for processing colour as well as monochrome films with the greatest of ease, efficiency, cleanliness and economy of solutions.

POLLY-MIN was created by the designer of the famous Johnsons and Nebro Universal and J.20 tanks. It is the result of many years of research. POLLY-MIN outdates all other spiral loading tanks.

Polly-MIN



• NO OTHER TANK HAS ALL THESE FEATURES

1 100% Polystyrene, which offers many advantages over cheaper plastics. It has a low water absorption factor, is lighter in weight yet much stronger. It is highly resistant to the chemicals used for processing.

2 Takes 120 and 127 roll films, 35 mm. (20 exposure) and No. 88 films.

3 Only 10½ ounces of solution needed for 120 size roll films and only 6½ ounces for 35 mm. films.

4 Transparent flanges enable the "second exposure" in colour processing to be made without removing the film from the spiral.

5 Spiral can be instantly adjusted for each size of film. There is a positive lock.

6 Roto-feed ensures easy loading.

7 Automatic 2-way agitation. The ribs of the spiral flanges are shaped to create turbulence, and allow a free flow of solution over the whole film. The special "jerk" cam action prevents bubble formation.

8 POLLY-MIN has a positive lock-on-lid.

9 POLLY-MIN costs no more than the popular Johnsons and Nebro 120 tanks and less than any other clear spiral tank on the market.

10 Amazingly small and light-weight, measuring approx. 4½" high x 3½" in diameter and weighing only just over 4 oz.

11 A transparent thermometer stirring rod, in which a thermometer can be inserted. A practice film and 32-page instruction book are included free of charge.

PRICE COMPLETE 25/-

The fastest selling tank on the market

NEVILLE BROWN & CO LIMITED

77 NEWMAN STREET · LONDON · W.1 · Telephone: LANgham 7161 (10 lines)

Delavelle

continue large-scale Advertising in 1955 for favourite

Blue Orchid PERFUME and STICK COLOGNE



Bigger Advertising than ever

includes large spaces in :—

DAILY MIRROR · WOMAN · WOMANS OWN · WOMANS ILLUSTRATED · PICTUREGOER · VOGUE · MODERN WOMAN · VANITY FAIR · WOMAN AND BEAUTY · EVERYWOMAN

a total of 28,362,306 advertisements

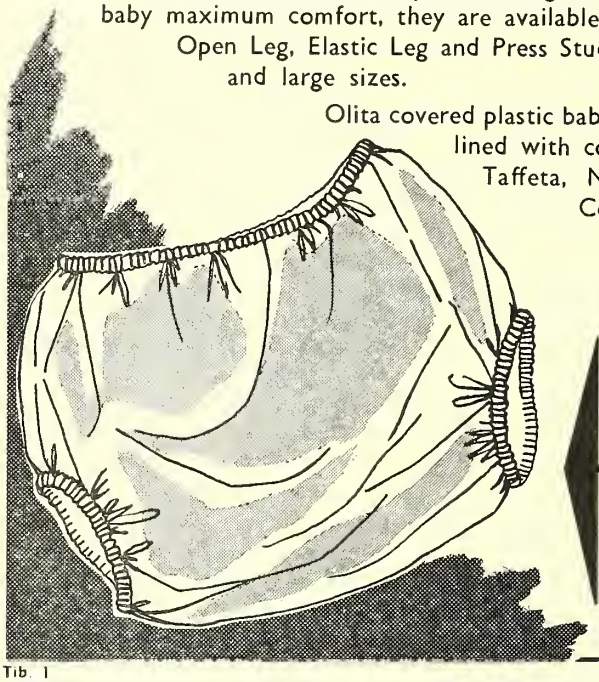
DELAVELLE · 38–46 ORSMAN ROAD · LONDON · N.1

B

Oh! look—it's Olita

OLITA plastic baby pants are washable, hygienic, odourless and thoroughly waterproof. Designed specially to give baby maximum comfort, they are available in three styles—Open Leg, Elastic Leg and Press Stud Side in medium and large sizes.

Olita covered plastic baby pants are plastic lined with coverings of either Taffeta, Nylon or locknit. Competitive prices.





Available in display boxes each containing one dozen.

WILLIAM OLIVER'S (RUBBER) LTD.
Blackhorse Lane, London, E.17. Tel.: LARkswood 8811
Available through your Wholesaler or for Export

Tib 1



Introducing

ROSE'S SUGAR-FREE
Lime Marmalade

This delicious new marmalade is made from West Indian limes and sweetened with Sorbitol instead of sugar. It is exceptionally low in sugar derived from the fruit. Recommended for diabetics and those on weight-reducing diets, Rose's Sugar-free Lime Marmalade is approved by The British Diabetic Association. The price is 3/9d. a jar.

Also Rose's Diabetic Fruit Drinks:
Lime Juice 3/6d. a bottle; Squashes, Orange or Lemon, 3/-.



be it labels

or cartons





THESE ARE THE SILENT, THOUGH VERY ACTIVE AMBASSADORS OF YOUR BUSINESS

They are an enigma, for though being dumb they shout most lustily at every eye that falls upon them. They are loyal, but they are candid. Loyal because they always carry your name and candid because printing cannot deceive and thus reflects in crystal clearness a quality or the lack of it. You cannot quieten their shout, but you can direct it by ensuring that your printed matter is not lacking in quality and taste. For well over seventy years we have been designing and producing print that carries the hallmark of quality and shall be very happy to place the knowledge we have acquired in those seventy years, at your disposal.

THOMAS WAIDE & SONS LTD.
KIRKSTALL HILL, LEEDS, 5

NOW

Penbenemid

Trade Mark



SUSPENSION

Each household teaspoonful (5 ml.) contains 100,000 units Potassium Penicillin G with 0·25 G. 'Benemid' Probenecid. Supplied in bottles of 2 fluid ounces listed at 15/-. Subject to 33⅓% discount.

ADVANTAGES:

- High and prolonged penicillin levels
- Oral administration . . . injections often avoided
- Extremely palatable . . . simplified dosage

Descriptive literature gladly sent on request.

'PENBENEMID' EXTENDS THE SCOPE OF PENICILLIN THERAPY

Sharp & Dohme Ltd., Hoddesdon, Herts. SHARP & DOHME

CALLING ALL CHEMISTS!



buy the NEW Quosh

Made by Carters of Coleford
the **Ribena** People

MINIMUM PROFIT
7½D per bottle
20% on sales
plus special quantity and Window Display allowances

MASSIVE CONSUMER ADVERTISING CAMPAIGN
55,000,000 advertisements a month

Quosh is delicious – it REFRESHES SALES!

Order NOW!—from our Representative when he calls.
Let him help you with attractive **SELLING** Show Material.

For further information write to
BEECHAM FOODS LIMITED, SALES DEPARTMENT, GREAT WEST ROAD, BRENTFORD, MIDDLESEX

DAQ/557T

F

Look out for

Vastly increased Advertising for VITAMINIZED Iron Jelloids

from now on—including

NATIONAL NEWSPAPERS

11 in. x 3 cols. in

DAILY MAIL · DAILY HERALD
NEWS CHRONICLE · DAILY MIRROR
DAILY SKETCH · THE PEOPLE
EMPIRE NEWS · SUNDAY CHRONICLE
REYNOLDS NEWS

8 in. x 2 cols. in

SUNDAY DISPATCH
GLASGOW DAILY RECORD
EDINBURGH EVENING NEWS
DUNDEE COURIER & ADVERTISER
ABERDEEN EVENING EXPRESS
BELFAST TELEGRAPH
ULSTER HERALD SERIES

Half-pages

in a number of WOMEN'S MAGAZINES

RADIO LUXEMBOURG

MICHAEL MILES PROGRAMME

8.30—9 p.m. Sundays

April
17 & 24

May
1, 8, 15, & 22

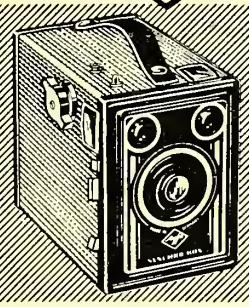
Buy now to meet increasing demand
Prominent display will assist your sales

All Enquiries to BEECHAM PHARMACEUTICALS LTD, St. Helens, Lancs

Agfa Cameras and Films...

are packed full of outstanding sales features

AGFA cameras have by their sheer brilliance of performance become outstanding favourites, the world over, with users and stockists alike. Let them make new profits for you.



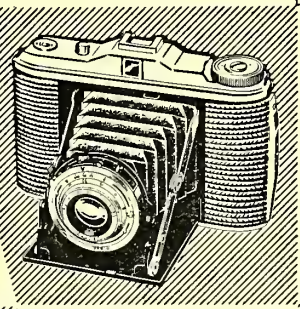
AGFA SYNCHRO-BOX

2¼" x 3¼" scratch proof covered box camera known the world over. Synchronised for flash. Special flash gun available. 8 exposures on 120-size film.
Price **£2.9.0**

AGFA ISOLETTE I

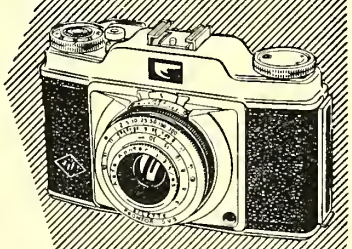
Popular model of the world famous 2¼" x 2¾" range of cameras. Agfa Agnar f4.5/85mm coated colour corrected lens. Synchronised 3-speed Vario shutter. 12 exp. on 120-size film. **£12.10.4**

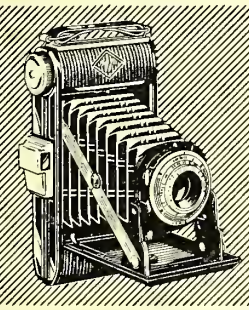
Other ISOLETTE models, featuring Agfa Apotar or the superb 4-element Agfa Solinar coated colour corrected lenses. 4 and 8-speed Fronto, Frontor S and SV synchronised shutters fitted. From **£17.10.0** to **£24.19.1**



AGFA SILETTE

35mm precision miniature. Rapid positive action lever wind for shutter setting and film wind. Agfa Apotar f3.5/45mm lens. Frontor SVS 8-speed XM synchronised or Pronto 4-speed synchronised shutters fitted.
Price **£22.10.2**





AGFA BILLY I

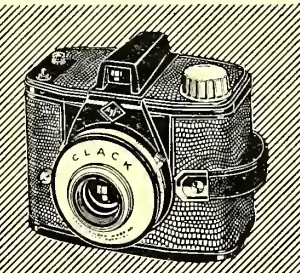
Moderately priced 2¼" x 3¼" folding camera. Agfa Agnar f6.3/105mm coated colour corrected lens. Vario synchronised 3-speed shutter. 8-exposures on 120-size film.
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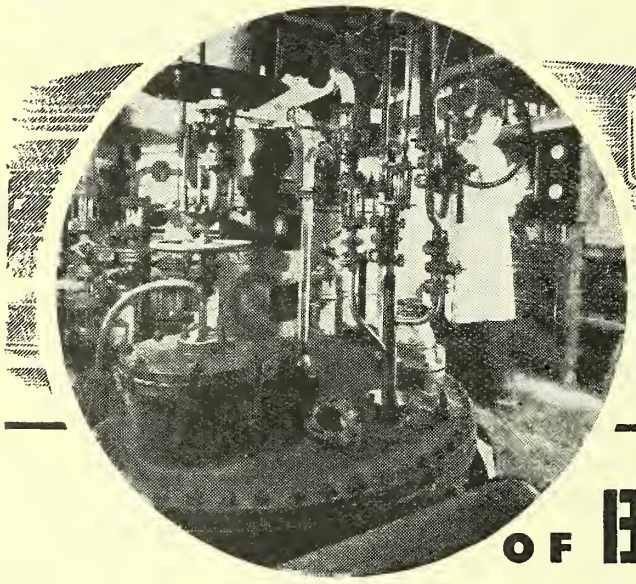
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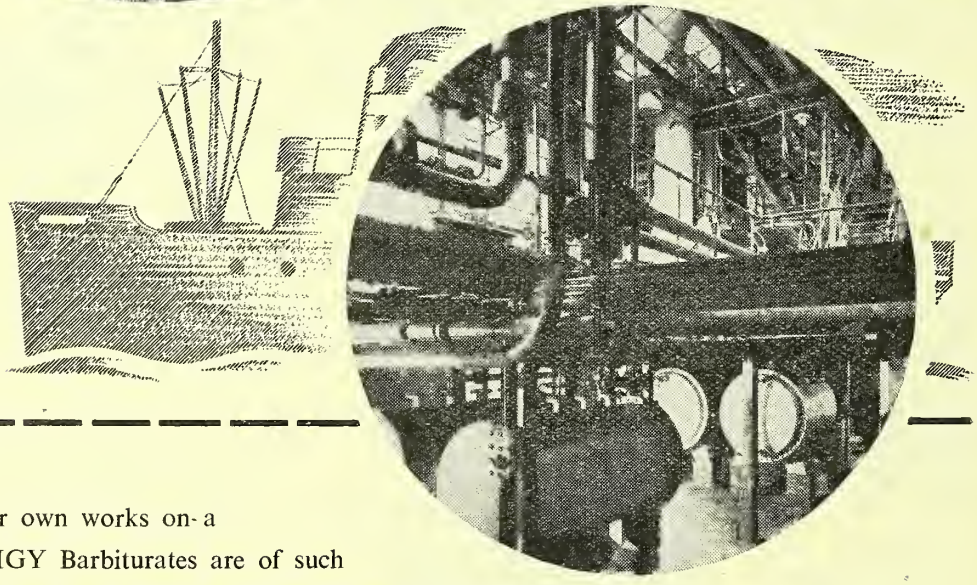
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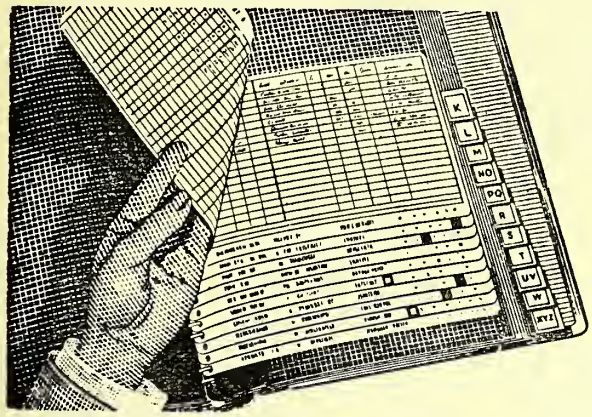
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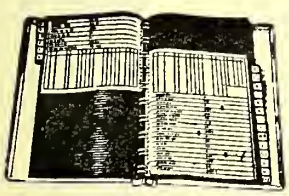
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Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 163 April 30, 1955 No. 3923

CONTENTS

A.B.P.I. Annual Dinner 478
Burma Pharmaceutical Industry ... 474
Candidates for the Council 476
Codex Amendments 468
Developments in the United States 480
Echoes of the Past 484
Hospital Pharmacy Forum 486
Leading Articles:—
Misuse of the Statutory Committee 483
Overseas Trade in March ... 484
Local Dinners and Dances 481
Man-power, Training and Education—4 485
New Products and Packs 475
Northern Ireland Health Board ... 480
Pharmacies of Britain—35 481
Physical Society's Exhibition ... 479
Signs on a Company's Premises ... 470
Topical Reflections 469

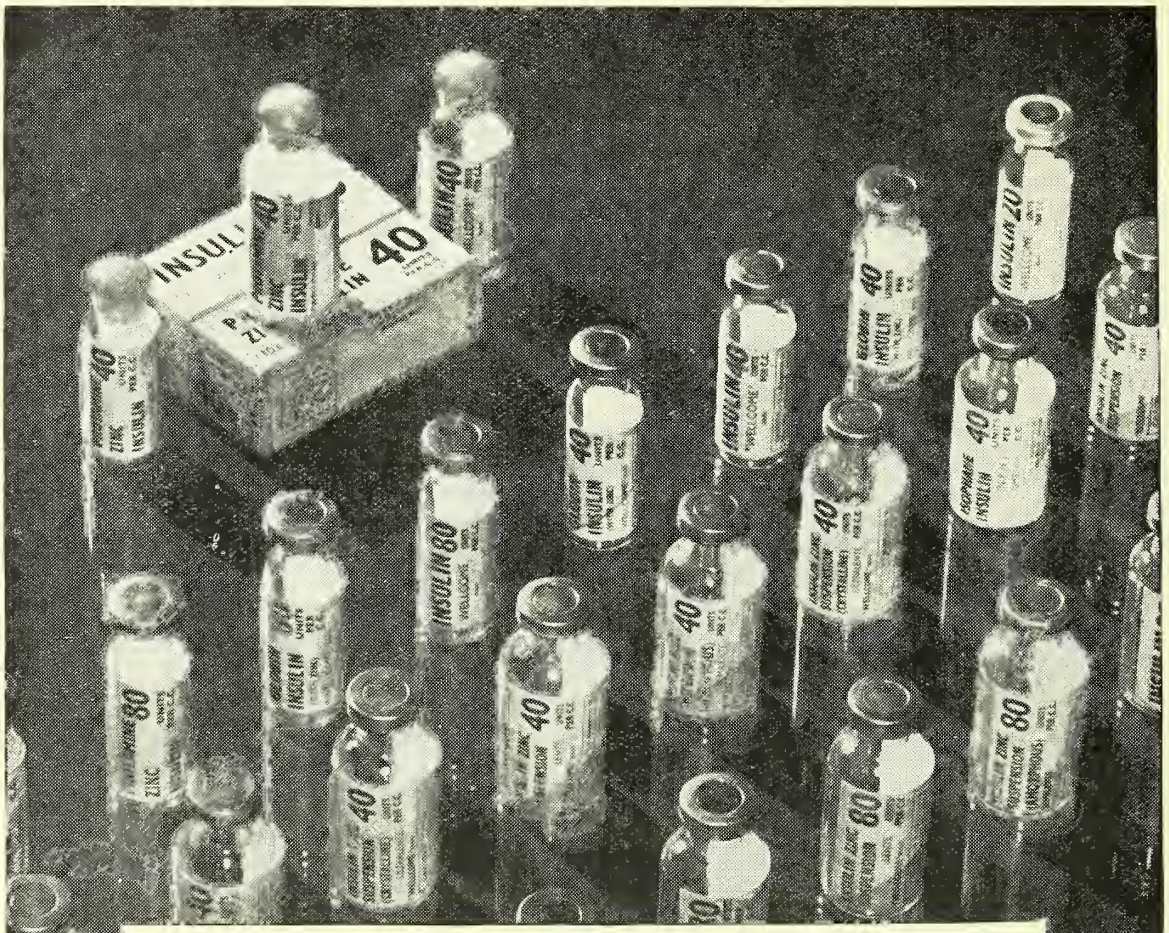
Business Changes ... 473
Coming Events ... 491
Company News ... 472
Deaths 473
Information Wanted ... 482
In Parliament ... 471
Inquests 473
Legal Reports ... 472
Local Officers ... 492
News of the Week ... 467
P.A.T.A. 492
Packaging Notes ... 474
Personalities 473
Photographic Notes ... 479
Price Changes ... 492
Sport 469
Trade Marks 491
Trade Notes 474
Trade Report 489
World Trade 491

INDEX TO ADVERTISERS, Pp. 5 & 6.

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The CHEMIST AND DRUGGIST

Volume 163 APRIL 30, 1955 No. 3923

Poisonous Sprays

WARNING OF DANGER TO BEES

THE Ministry of Agriculture, Fisheries and Food is appealing to fruit-growers, farmers, contractors and beekeepers to co-operate in taking all possible precautions against poisoning bees when sprays and dusts are applied.

Growers are urged to avoid spraying open blossom of any kind, and not to use sprays or dusts containing arsenic except before the flower buds open, and after petals have fallen and the bees have left the flowers. The Ministry states that the use on fruit trees of insecticides containing DDT or BHC should be confined to the period before blossoming. But where apple sawfly is troublesome, BHC may have to be used at or soon after 80 per cent. petal fall. Toxaphene, however, also gives good control of apple sawfly and has the advantage that it is much less toxic to bees than BHC. Growers are asked before spraying or dusting to cut the flowers of dandelions and other flowering weeds beneath the trees, spray-drift on to hedgerow flowers being avoided as far as possible; not to spray or dust while hives of bees are in the orchard; and not to place hives in orchards until early varieties of fruit are actually in blossom and remove them before petal-fall. Chemical control of charlock and other flowering weeds in cereal crops is recommended to be carried out before they have a chance to reach the flowering stage.

Ban on Heroin

B.M.A. COUNCIL DISCUSSION

AT a meeting of the council of the British Medical Association held in London on April 13, the Government's ban on heroin production (see *C. & D.*, February 26, p. 224), was discussed. DR. R. HALE-WHITE described the Government's action in banning the drug without discussing the matter with the medical profession as effrontery. MR. LAWRENCE ABEL urged that the matter should be taken up with the Ministry of Health by the General Medical Services Committee. DR. S. WARD said that, as a member of the medical advisory committee concerned, he had thought originally that the ban was uncalled for but having heard the arguments and knowing from his personal experience that there were drugs that replaced heroin adequately, he was persuaded that if Britain stayed out of the international agreement it would intensify a grave international problem. During the past six or eight years a number of pain-relieving drugs had been introduced which had led to the lessened use of heroin. The council agreed to inform the Government of the views expressed.

Pepper Deals Inquiry

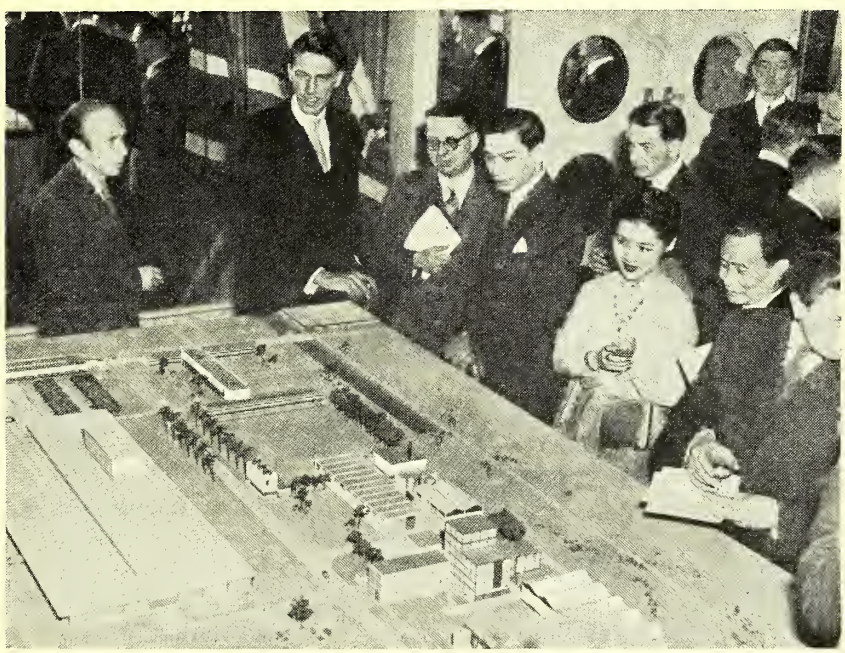
OVER £2 MILLIONS BELIEVED INVOLVED

DETECTIVES of the Metropolitan Police and the City of London Fraud Squad recently investigated transactions in pepper, believed to involve more than £2 millions. They were examining allegations that hundreds of tons of pepper, supposed to be stored in wharves and warehouses, did not in fact exist and could not therefore be delivered. It is thought that a number of firms may have lost many thousands of pounds. Subsequently two men: Frank Alfred Parker, a produce buyer, Oriental Place, Brighton, and William Henry Walker, wharfinger, Southwark Park Road, Bermondsey, were charged at the Mansion House Court on April 27, with conspiracy to defraud Huth Produce Sales (Overseas), Lombard Street, London, E.C.

New British Standards

CRESYLIC ACIDS AND PHENOL

THE following revised British Standards have been published: Cresylic Acid of Specified Ortho-Cresol Content (B.S. 517, 1955); Cresylic Acid of Specified Meta-Cresol Content (B.S. 521, 1955); *Ortho*-cresol *Meta*-cresol and *Para*-cresol (B.S. 522, 1955); Phenol (B.S. 523, 1955); Refined Cresylic Acid (B.S. 524, 1955). The series of five Standards dealing with cresylic acids and phenol has been revised to bring the specification up-to-date, particularly as regards test methods. The test methods are based, as before, on those recommended by the Standardisation of Tar Products Tests Committee in their 1950 edition of *Standard Methods for Testing Tar and its Products*. In British Standards 517, 523 and 524, the "specification" clauses remain unchanged from the 1948 edition. In B.S. 521, the five well-established grades of cresylic acid have been re-defined so that the maximum meta-cresol for grade A is now 60 per



BURMESE PHARMACEUTICAL INDUSTRY IN MINIATURE: Scale model of the pharmaceutical plant to be erected near Rangoon, Burma, and operated by Evans Medical Supplies, Ltd. At a ceremony in London recently (p. 474) the Chargé d'Affaires at the Burmese Embassy in London (H.E. Sao Boonwart) was given a descriptive explanation of the layout by the chief architect to the contractors.

cent. In B.S. 522, a third grade (grade C) of *ortho*-cresol has been added. It has a crystallising-point between 28·3 and 29·3°C. Copies of the Standards may be obtained from the British Standards Institution, sales branch, 2 Park Street, London, W.1. Prices are: For B.S. 517 and 521, 5s.; B.S. 524, 4s.; B.S. 522 and 523, 3s.

PERFECTION-TYPE BED-PAN

THE British Standards Institution has issued a new standard (B.S. 2588, 1955) for perfection-type bed-pans (adult size). The pan is specified in the materials: stainless steel; aluminium; vitreous-enamelled steel and tinned steel. The final design was based upon the evidence gained by comparative tests with bed-pans of various forms and dimensions. The evidence included the general effectiveness and essential anthropometric dimensions affecting the comfort of the patient, handling by the staff, cleaning and subsequent sterilisation. All essential dimensions have been defined, and at the same time tolerance and some variation in design have been permitted to manufacturers as far as practicable. Copies of the standard are priced at 2s. 6d.

Hospital Salaries

AGREEMENT REACHED ON NEW RATES

AT a meeting of the Pharmaceutical Whitley Council Committee C on April 20, agreement was reached between the two sides on new rates of pay for hospital pharmacists. The new rates are:—

BASIC: £500 x three £25's to £575 and five £30's to £725.

SENIOR: £575 x five £30's and two £25's to £775.

CHIEF, category 1, and DEPUTY, category 4: £625 x seven £30's and one £15 to £850.

CHIEF, category 2, and DEPUTY, category 5: £675 x seven £30's and one £40 to £925.

CHIEF, category 3: £750 x five £30's and three £40's to £1,000.

CHIEF, category 4: £785 x five £30's and one £45 to £1,100.

CHIEF, category 5: £835 x eight £40's and one £45 to £1,200.

Assimilation is to be on a corresponding points basis with the proviso that in no case shall the increase on assimilation exceed £125. It is pointed out that Hospital Authorities can take no action under the agreement until the official notification is in their hands. In the meantime, individual pharmacists should make no approach to their Authority. The agreement takes effect as from April 1, 1955.

Examination Results

ENGLAND AND SCOTLAND

THE following candidates satisfied the examiners in the Intermediate examination held by the Pharmaceutical Society in England and Wales in March:

Airley, A. A., Prestwich; Asher, D. M., Stockport; Baker, F. J., Liverpool; Ball, P. G., Cirencester; Barter, Shirley, A. G., Coleford; Bevington, J., St. Helens; Calder, F. J. M., Golders Green; Condon, Santa N., Cardiff; Cope, J. I. W., Cuffley; Cowen, M. E., Okehampton; Forusz, S. L., Hove; Griffin, Patricia D., Plymouth; Hershman, Gillian R., Hove; Hobson, Janet E., Cambridge; Horrell, D. R., Walthamstow; Jackson, W. L., Bolton; Jones, D. B., Swansea; Jones, P. G., Salford; Lindsay, Alison J., Cardiff; Martin, Mary P., Leek; Morgan-Davies, C., Cardiff; Pott, J. M., Warrington; Salmon, D. N., Hastings; Shah, Syeda, M., Hendon; Shaw, Pauline M., Manchester; Smith, G., Wakefield; Stephenson, Doris M., Manchester; Tetley, G. J. S., Ilford; Thompson, Thelma V., Bromborough; Webber, G. W., Okehampton; Whitfield, C. R., Peel; Williams, J. F. H., Ammanford; Williams, R. D., Birkenhead; Williamson, J. H. M., Victoria; Wong, Rose Fook-Chuen, Leicester; Wood, B., Barwell; Woodcock, G. C., Dorking; Wormleighton, Paula H., Leicester.

The following candidates satisfied the examiners in the Intermediate examination held in Scotland in March:

Anderson, Esmé F. D., Dundee; Appleby, Edith M., Howdon-on-Tyne; Black, J. S., Wick; Burney, C. W., Bradford; Canale, Noeleen M., Arbroath; Dack, G. J., Hull; Dewhurst, E. T., Sunderland; Durham, Helen M., Consett; Garforth, B., Harrogate; Hickman, Janet V., Darlington; Johnson, T. T. R., Hatch End; Laycock, J., Sunderland; Levin, Audrey, Sunderland; Levine, S., Nottingham; Lewis, B. W., Bradford; Millican, Barbara, Sunderland; Morrison, I. H., Dundee; Peat, D. M. H., Glasgow; Ramshaw, Anne B., Sunderland; Sale, Colin, Nottingham; Stevenson, W., Sunderland; Tissington, B., Sunderland; Topping, D. G., Sunderland; Whiteoak, G., Sunderland.

Import Relaxations

TURPENTINE AND RESIN

FROM April 20 turpentine, resin, pine tar, pine pitch and pine oil are listed among goods for which it is not necessary to apply for a separate import licence from any country.

BRITISH PHARMACEUTICAL CODEX, 1954

Amendments authorised

The Council of the Pharmaceutical Society has authorised the publication of the following amendments to the contents of the British Pharmaceutical Codex, 1954:—

PART I

ACRIFLAVINE: P. 11, lines 18 and 17 from foot. The requirement for **Content of total acridines** to be amended to: Not less than 98·5 per cent., calculated as $C_{14}H_{14}N_3Cl,HCl$, with reference to the substance dried in vacuo. P. 12, line 2. *For* 0·5 *read* 6·5.

SOLUTION OF BENZALKONIUM CHLORIDE: P. 82, lines 8, 9 and 10. The sentence to be amended to: Benzalkonium chloride may be used as a 1 per cent. solution for sterilising the skin of the patient and as a 0·1 per cent. solution for preparing the hands and arms of the operator before surgical procedures.

JALAP: P. 399, line 26. *For* When Jalap is prescribed *read* When Jalap, Jalapæ Pulvis or Powdered Jalap is prescribed.

PREPARED JALAP: P. 399, line 17 from foot. *Delete: Synonym:* Powdered Jalap.

PAPAIN: P. 535, line 13. *For* previously boiled and cooled *read* previously boiled for 3 minutes and cooled.

SUXAMETHONIUM CHLORIDE: P. 767, line 21. *For* melts at about 141° *read* melts at about 90° or at about 141°.

PART V

ZINC OXIDE SELF-ADHESIVE PLASTER: P. 935, line 15. *Delete* **Weight of adhesive mass.** Below line 17. *Insert* **Weight of adhesive mass.** Not less than $3\frac{1}{2}$ oz. per sq. yd.

PART VI

CAPSULES OF FERROUS CARBONATE: P. 950. *Delete* line 4 from foot, and *insert:* The exsiccated ferrous sulphate and exsiccated sodium carbonate may be replaced by the equivalent amount of freshly prepared ferrous carbonate mixed with dextrose. Mix with a suitable vegetable oil or paraffin basis and enclose in a capsule.

CREAM OF PROFLAVINE: P. 957, line 18. *For* 0·10 to 0·13 *read* 0·093 to 0·112.

EYE OINTMENT OF COCAINE: Pp. 1000 and 1001. **Assay.** *For light petroleum (boiling-point, 40° to 50°) read* solvent ether.

GARGLE OF PHENOL: P. 1002, line 10 from foot. *For* 0·89 to 1·09 *read* 0·84 to 1·13.

GARGLE OF POTASSIUM CHLORATE AND PHENOL: P. 1003, line 13. *For* 1·20 *read* 1·15.

LOTION OF PHENOL: P. 1038, line 10 from foot. *For* 2·01 *read* 1·91.

LOZENGES OF BISMUTH, COMPOUND: P. 1043, line 8. *For* Dissolve *read* Gently ignite. Line 9. *After* 2 lozenges, *insert* dissolve the residue.

MIXTURE OF COLCHICUM AND SODIUM SALICYLATE: P. 1055, line 7. *For* anæsthetic ether *read* chloroform. Line 9. *For* ether *read* chloroform.

MIXTURE OF GENTIAN, ACID: P. 1057, line 2. *For* 0·44 *read* 0·48.

MIXTURE OF GENTIAN WITH NUX VOMICA, ACID: P. 1057, line 3 from foot. *For* 0·44 *read* 0·48.

MIXTURE OF NUX VOMICA, ACID: P. 1064, line 12. *For* 0·44 *read* 0·48.

MOUTH-WASH OF PHENOL, ALKALINE: P. 1077, line 10 from foot. *For* 2·42 *read* 2·29.

ALKALINE NASAL WASH: P. 1082, line 26. *For* 0·40 to 0·47 *read* 0·38 to 0·49. Line 30. *For* diluted with 15 ml. of water *read* acidified with dilute sulphuric acid and diluted to 25 ml. with water.

OINTMENT OF ZINC UNDECENOATE: P. 1092. *Delete* lines 25 and 26, and *insert* increase the heat until all the carbon is removed, dissolve the residue in dilute sulphuric acid and dilute to 200 ml. with water; neutralise 100 ml. of this solution with N/1 sodium hydroxide, make just acid with dilute sulphuric acid, and continue by the method of the British Pharmacopœia for Zinc Sulphate, commencing with the words "add 25 ml. of *solution of mercuric ammonium thiocyanate, . . .*"; each ml. of M/5 potassium iodate is equivalent to 0·01439 g. of $C_{22}H_{38}O_4Zn$.

APPENDIX V: P. 1239. Quantitative Test for Arsenic in Solapsone. *For* Dapsone *read* Charcoal.

NAMES OF SUBSTANCES: The list of Codex names and Brand names included as an insert to the British Pharmaceutical Codex, 1954, is amended as follows: P. 2, last line. *After* Xylocaine hydrochloride *insert Xylotox.* Page 10, below line 2 from foot *insert* Xylotox Lignocaine hydrochloride.

ERRATUM: P. 1098, line 20. *For* **Paint** *read* **Paste.**

The amendments are available as a leaflet to persons sending a stamped-addressed envelope to the Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1.

NEWS IN BRIEF

SIR RUSSELL BRAIN has been re-elected president of the Royal College of Physicians for the fifth time.

THE arrangements for the pricing of prescriptions that were notified in September 1954 (see *C. & D.*, September 25, 1954, p. 297) and that should have ended in April are to continue during May and June.

NEGOTIATIONS have been completed by Hughes Brushes, Ltd., for the erection of a new factory on the Slough Trading Estate, double the size of their present one. It is expected to be ready for occupation about the middle of 1956.

THE discovery of a new antibiotic with therapeutic activity obtained from a spore-bearing bacillus of the *B. pumilis* group is reported in *Nature* for April 23 by Dr. A. T. Fuller (National Institute for Medical Research, London).

THE Minister of Health, in a circular recently issued to all local health authorities, expresses concern at the current neglect of vaccination except as an emergency measure during outbreaks of smallpox, and urges local authorities to co-operate in the encouragement of vaccination in infancy and revaccination in later years.

A PARTY of twenty-four students from the department of pharmacy, Ghent University, accompanied by Professor Ruyssen, visited The Wellcome Foundation, Ltd., recently. They were shown the Wellcome Museum of Medical Science, the Wellcome Historical Medical Library, and the Wellcome Research Laboratories at Beckenham, Kent.

SPORT

Golf. — ULSTER CHEMISTS' GOLFING ASSOCIATION, at Carrickfergus golf club, on April 20. Apothecaries' cup competition won by four holes up by team of wholesalers (captain, G. P. Taylor) playing against retail team (captain, J. Laverty). The following were elected *Captain* for 1956:—*Retailers*, J. Graham; *Wholesalers*, H. Mahood.

EDINBURGH CHEMISTS' GOLF CLUB, Competition at Brunstfield Links recently. Allenburys prize, W. S. Thomson (8), 70. Scratch, P. R. Fallon, 73. No. 1 section, Hugh Semple (4), 71; No. 2 section (tie), R. R. Jeffrey (17) and B. R. Maule (20), 77; No. 3 section, R. R. Steedman (28), 74.

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, at Woodcote Park Golf Club, April 20, Spring meeting medal competition. Results: 1, J. Mackenzie (17), 68 net; 2, C. J. Martin (12), 69 net; 3, G. T. Johnson (16), 69 net. *Visitors*, 1, T. Braddock (11), 69 net; 2, R. Hodgman (24), 72 net. A silver tankard, donated by Mr. G. G. Watt, was presented to the winner.

Bowls. — ULSTER CHEMISTS' ASSOCIATION BOWLERS: A committee meeting has been held to arrange for the coming season. Mr. G. Hamilton has been appointed *Captain*, and Mr. T. A. Ross *Vice-captain*. The annual tournament is being held in Belfast on May 25.

U.C.A. bowlers are looking forward with pleasure to a visit on June 29 of members of The Scottish Chemists' Bowling Association who are playing against U.C.A. bowlers at Pickie bowling club, Bangor. Arrangements have been made for a bus run to include a visit to Belfast Castle, and also to the City Hall, Belfast, where the visitors are being received by the lord mayor. Lunch is being provided in Bangor.

TOPICAL REFLECTIONS

By Xrayser

A Lingering Demise

The news that licences for the manufacture and import of diamorphine (except for scientific purposes) are not to be renewed at the end of this year has been accepted philosophically in pharmaceutical circles, though it is generally agreed that the control of the drug in Great Britain has been most efficient. In various parts of the country doctors have expressed concern at the banning of the drug, which has proved singularly effective in easing the pain of cancer at a stage when the question of addiction was no longer of importance. But I gather from a reply given by Mr. King at the National Pharmaceutical Union area conference at Llandudno (p. 477) that the prescribing of heroin is not to cease on December 31, and I have had that officially confirmed. So long as supplies are available, prescriptions should be dispensed. It may be that legislation will be enacted next year to bring about a complete ban on the use of the drug, but, as the position now stands, a patient with a prescription for one of the preparations of diamorphine may experience frustration and annoyance before catching-up on a pharmacy that still has supplies. It may be that the authorities consider their method to be a way of ensuring that none of the drug remains. To pharmacists it must seem unsatisfactory.

Ease and Elegance

The continued advance in the aesthetic appearance of modern medicines is taken for granted, and it is not always realised that much more is involved than producing medicine in an attractive, as well as palatable, form. A week or two ago an article in THE CHEMIST AND DRUGGIST dealt with the scientific approach to flavourings used in medicines, and now Mr. T. D. Whittet, in an address at Sunderland (p. 452) has given a survey of the different methods of presentation of medicines today. Again science plays its part. It is not sufficient that the drug should be elegantly attired. It is not sufficient that is should be pleasing to the palate. Considerations of tablet-coating must take account, in addition to other factors, of such matters as delayed disintegration. Absorption from different vehicles in liquid medicines is further indication of the work of the research chemist. The speaker covered a wide field of present-day administration of drugs. Conspicuous by their absence were the julep, the cordial, the bolus and the electuary, which now take their place with the gigue, the sarabande, the minuet and the gavotte. It seems tragic that those who strutted so elegantly in the Pump Room at Bath, or dallied in The Pantiles at Tunbridge Wells, lived two centuries too soon. What Thackeray described as "a splendid, embroidered, be-ruffled, snuff-boxed, red-heeled, impertinent Folly" would have gloried in the exquisite presentation of medicines today, and one can imagine the flourish that would have accompanied the proffering of a snuff-box of vitamin capsules.

Sea Breezes

The sea breezes of Llandudno stimulated those attending the N.P.U. meeting to useful discussion on National Health Service matters, and your full report on pp. 466-67 may act as a spur to those contractors who have not made the returns so essential to establishing a case for more adequate remuneration. It is clear from the resolutions that considerable dissatisfaction exists, and every effort should be made to add to the information already gathered. On the question of containers one is left with the impression that the Ministry has taken advantage of the justifiable reluctance of contractors to accept a return to the deposit system, which was the cause of friction under the National Health Insurance scheme. I note that Mr. King said that there was an increase of 21 per cent. in container cost since the cut was instituted, and that figure is probably aggravated by the rising costs of corks and labels. There can be no justification for some other part of the contractor's remuneration subsidising the container allowance, and the ultimatum presented to the Central Committee in 1949 savoured of unfair dealing.

SIGNS ON A COMPANY'S PREMISES

"No misconduct" finding by Statutory Committee

A MEETING of the Statutory Committee was, as briefly reported last week (*C. & D.*, April 23, p. 443), held in London. Its date was April 19 and not as previously stated. Before the Committee was a pharmacist who was managing director and the registered superintendent of a company of chemists. Against him a complaint had been made by the Council of the Pharmaceutical Society alleging misconduct on the grounds that the signs used on the company's premises were blatant, undignified, not in keeping with the professional dignity of pharmaceutical practice, and inconsistent with the Statement Upon Matters of Professional Conduct.

MR. T. DEWAR (counsel for the Pharmaceutical Society) put forward the Statement "to show the Council's views for the guidance of the Committee." It was for the Committee to see whether or not there had been misconduct. Five photographs dealing with four sets of the company's premises were then handed in. The first showed a facia to which the Council objected as being unnecessarily large. The Council also took exception to the wording "the reliable chemists," the imputation being, said Mr. Dewar, that other chemists either generally or in the vicinity might be unreliable. The same complaints were made against the premises shown in the second photograph. In addition, the large wording "National Health Service" and the enormous words "Dispensing. Bring Your Prescriptions Here" went outside the bounds of a notice that National Health prescriptions were dispensed at the premises: they were an advertisement. The next photograph showed the wording "Health Service Dispensing" in extremely large lettering across a window. Again the Society objected to that as being an advertisement of dispensing services. Other photographs showed similar notices elsewhere.

Society's Objection

Replying to the chairman, MR. DEWAR said that the Society objected to the words "Bring Your Prescriptions Here" quite apart from their size. He handed in correspondence between the Society and the company which, he said, showed the general objection that the Council had been making. The pharmacist had said in his reply to the first letter from the Society, dated January 12, 1954, that the nearest and certainly the most menacing opposition to the shop in question was a Co-operative drug store situated about fifty yards away. It had all the appearance of a well-stocked and well-staffed pharmacy, and his company's attitude was that it was right to emphasise "Dispensing" on the facia and to draw attention to the important distinction "Qualified Dispensing Chemists." The registrar of the Society had replied on March 15, 1954, asking the company to remove the signs as soon as possible. Two reminders were subsequently sent, and a further letter and a fresh report on June 15, 1954. No comments were received, and the registrar wrote again on August 4, 1954, pointing out that the Council had decided that, unless immediate steps were taken for the removal of all signs that were regarded as inconsistent with the Statement they might consider bringing the matter to the notice of the Statutory Committee. The pharmacist replied on August 11, 1954, that the company had decided that their "particular malpractices must cease and that self-descriptions such as 'qualified dispensing chemists,' etc., must go." If there were any particular colour scheme to which the Ethical Committee had a rooted objection perhaps the registrar would let the company know.

"Blatant Set-up"

Mr. Dewar observed that the lettering was in red on a yellow background, which was all part and parcel of the blatant set-up. The registrar had written again on August 13, 1954, asking to be shown any new shop signs that would replace those now in existence. None was submitted, but after further correspondence from the Society the company replied on November 3, 1954, that they were hoping that the matter would not be pressed until after Christmas. On November 5 the registrar suggested, in a letter, a meeting to discuss the matter with a view to causing the company the minimum trouble and expense while at the same time meeting the Council's wishes. A reminder was sent on December 2, 1954.

Replying to the chairman, THE PHARMACIST said that he had no doubt that all the photographs had been taken in August 1954.

MR. DEWAR said that the Society wanted the Committee so say that the advertising of dispensing services was undesirable, and particularly the reference to "reliable chemists."

THE PHARMACIST, giving evidence, pointed out that the company had altered a sign at one of their branches from "Qualified Dispensing Chemists" to "——Dispensing Chemists" in response to a request from the Society in 1951. In July 1952 the Society had again objected to the size of a sign that included the words "National Health Service. All Prescriptions Promptly and Accurately Dispensed." The company had promised to alter the sign when a suitable opportunity for carrying out the work presented itself. THE PHARMACIST said that the sign at one of the branches showing the wording "the reliable chemists" had been there during the correspondence in 1951–52, and no objections had been raised to it at that time. Wording for the notice on the bedroom window at one of the premises ("Fitting Rooms. Appliances Supplied through the National Health Service") had been supplied to him by the National Pharmaceutical Union: it formed one of the parts of the charge.

Colour Scheme

THE CHAIRMAN said that Mr. Dewar had called the colour scheme red and yellow, while the pharmacist called it maroon and cream. They were different descriptions of the same thing. THE PHARMACIST replied that he would sooner it be called cream: it was not yellow. The red was not bright and had got faded over the years. It would have been unprecedented for any chemist to bring drawings of his shopfront to the Pharmaceutical Society. He thought that the chairman would have difficulty in finding any chemist's shop that did not display such notices as "National Health Dispensing" or "National Health Service Dispensing." In his experience the clause in the terms of service under the National Health Service (that a chemist should not advertise, except in the form laid down, either directly or by implication that his name was included in a pharmaceutical list) was ignored by every chemist in the land. So far as he knew the Pharmaceutical Society was quite happy to allow them to do so. He was not told that the registrar could not wait until after Christmas. He asked whether the chairman would agree that, at the beginning of 1955, the weather was such as to make it impossible for anyone to see to the signs on the shopfront. THE CHAIRMAN replied that there had been days when it would have been possible to alter shopfronts. THE PHARMACIST disagreed.

He claimed that his shopfronts were done throughout with cream tiles and were kept clean. He pointed out that the Statement Upon Matters of Professional Conduct, revised in July 1953, said that signs, etc., "should be restrained in size, design and terms." There had been no mention of any such thing in the Statement previous to revision. His company had not had occasion to renew a shopfront since the revision. In other words, it was the Society that had altered matters. His company did not pretend to dispense better than anybody else. Since the inception of the National Health Service he had been chairman of his Local Pharmaceutical Committee. If there were any substance in the charge of making invidious distinctions his colleagues, rather than elect him as their chairman, would have regarded him with contempt. The pharmacist then handed in pictures to show the alterations that had been made to his shops. Examining the pictures THE CHAIRMAN observed that in the first shop the words "Dispensing chemists" had been substituted for "the reliable chemists." At the next shop the signs "the reliable chemists" and "National Health Service Dispensing. Bring Your Prescriptions Here" had been removed. THE PHARMACIST pointed out that it was being replaced with the wording "—— the Chemists." Similar changes were shown in the other photographs.

In answer to the chairman, THE PHARMACIST said that he had given the

first order for the work to be done in about November 1954, and the last order the week before the inquiry, after all the other work had been done. All the other work had been put in hand before he had received the notice of the present inquiry. Cross-examined by MR. DEWAR, THE PHARMACIST said that he wanted to comply with the spirit of the Statement. MR. DEWAR said that, apart from the letter in November 1954 asking for some respite over Christmas, he had sent no indication to the Society—apart, he understood, from a telephone call on April 15 to say that all the alterations that had been requested by the Council had been carried out.

THE CHAIRMAN asked Mr. Dewar if the change between the earlier attitude shown in the Statement and the attitude shown in the July 1953 revision indicated a development of the attitude of pharmacists in general to the kind of matter that might be properly displayed. MR. DEWAR said that it was clearly a developing matter. He submitted that there had been a tightening of feeling in the profession about advertising practice. The case was important so far as the Society was concerned. The Council would welcome an expression of opinion by the Committee because there were other people, no doubt, who might be advertising in similar fashion.

The Decision

Giving the decision of the Committee, THE CHAIRMAN said that the member had accepted full responsibility for everything that the company had done. Accordingly the question they had to consider was whether the use of certain notices on five shopfronts constituted misconduct on the part of the pharmacist.

In the opinion of the Committee the appearances of all five shopfronts at the time when the inquiry was set on foot were such as to be out of keeping with the present views of members of the pharmaceutical profession.

To set up shopfronts including such wording would almost certainly, if the Committee had to consider the matter today, be regarded as misconduct. That was not the question they had to consider. They had to consider first whether it constituted misconduct to put up that wording in that manner at the time when it was done. Most, if not all of it, was done four or five years ago. The Committee were of opinion that, at that time, having regard to the differences of view which then prevailed, it would be wrong to say that there was misconduct. They had next to consider whether there was misconduct in failing to make alterations before the inquiry was started. Having regard to the substantial expenses that would be involved in making the alterations, the Committee considered it would not be right to describe the conduct of failing to remove them by March 1955 as misconduct.

"I hope I have made it clear that, in the opinion of the Committee, the appearance of these shops, as they were before some recent alterations were made, is open to strong objection. It is right, I think, that I should deal with a number of phrases that were used. . . .

The opinion of the Committee is that each of those sets of wording, if displayed by way of advertisement and not simply by way of notification to the public, is open to objection. It is quite clear that the manner in which some of the phrases were displayed was by way of advertisement." The notice with the words "National Health Service Dispensing. Bring Your Prescriptions Here" went right across the shopfront. The board, from the appearance of the photograph, was about 18 in. deep and the word "Dispensing" appeared to be in letters certainly not less than 6 in. high. That clearly was a notice that constituted something by way of an advertisement. Some of the forms of wording the Committee would regard as objectionable however small the wording used; for instance, the words "The Reliable Chemists," where the objection was not to the use of the word "Reliable" but to the use of the definite article "The," which conveyed, in the view of the Committee, the impression that the company were in some way more reliable than other chemists on the register.

Notice Rather Than Advertisement

Substantial alterations had recently been made to the premises and, with one exception, all the phrases had now gone. It was not for the Committee to express any opinion as to whether the phrases that had been substituted, taking into account all the wording and the manner in which it was displayed, were or were not open to objection. There was, however, one notice that had not been altered, and which it was not intended to alter. That was the notice "Fitting room. Appliances supplied through the National Health Service." The Committee considered that it was quite permissible for a pharmacist to give notice to the public of those facts. They saw no objection to the form of language used, and on the whole, as it was on an upper window it must, if it were to be seen by people in the street at all, be of a size greater than that which might be legible to a person who could approach directly to it. The Committee thought that it could properly be regarded as a notice rather than an advertisement.

Alterations Carried Out

The pharmacist had made alterations, no doubt at considerable expense to himself, in the hope that no further objection would be taken to the premises. In those circumstances it was still open to the Society, if they chose, to take up the matter of the premises in their present state. The pharmacist would have saved himself some trouble if he had taken advice when it was tendered. For the reasons given the Committee had arrived at the conclusion that there had been no misconduct. Consequently there would be no direction.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. IAIN MACLEOD (Minister of Health) told MR. C. W. GIBSON on April 25 that a general agreement on increased salaries for hospital pharmacists had been reached (see p. 468). MR. MACLEOD said that he had issued a circular to hospitals, on March 3, on the implementation of the recommendations of Linstead Committee (see *C. & D.*, March 12, p. 271). MR. GIBSON said that he was informed that twenty-eight chief pharmacists had left the service and gone into industry in the past two years. Would the new proposals remedy the situation, which seemed very unsatisfactory? MR. MACLEOD said that he hoped that they would. The drift showed itself more in the basic than the senior grades. MR. MACLEOD told DR. H. M. KING that the number of vacancies for pharmacists in the hospital service had been shown by a special inquiry in the autumn of 1954 to be 367. The figures of the number of posts filled by locums were not available.

Poliomyelitis Vaccine

In reply to five questions on April 25, MR. IAIN MACLEOD (Minister of Health) made a statement on poliomyelitis vaccine. He said that the discovery of the new anti-poliomyelitis vaccine by Dr. Jonas Salk (see *C. & D.*, April 16, p. 409) was "a momentous and historic advance in the protection of human well-being." Two British firms were already arranging to increase production of this vaccine as fast as possible and the Government intended to buy their whole output. No supplies in any material quantity were at present obtainable from the United States, but home production should assume useful dimensions by the late autumn. He was advised that it would be medically unwise, even if it were possible, to embark on any large-scale vaccination during the peak season of the disease, which began to end about then. MR. MACLEOD pointed out that intensive tests on the exact effects should be conducted so that any possible dangers could be eliminated from the vaccine. It was already being done. It must be ascertained that the vaccine was effective against the particular strains of the virus most commonly found in Britain; indeed, it was not sure yet that it was fully effective in the case of children of about four or under, where the incidence of the disease in Britain was highest, and it seemed that it might be less than normally effective against type I of the virus, the commonest type in this country. Those reservations in no way detracted from the immense humanitarian value of that great discovery or affected the Government's determination that British people should benefit from it to the fullest possible extent.

MR. N. N. DODDS said that in America 13,500,000 were being treated in 1955. He asked for an assurance that the Government were not making excuses for the slow way the vaccine had been taken up. MR. MACLEOD

said that he could not see how anyone could make such a charge.

MR. GEORGE DARLING asked if the Minister's view was that research should be encouraged because of the discovery in America on a greater scale to find a more suitable vaccine for British circumstances.

MR. MACLEOD: Yes. This is an important and exciting discovery, but not necessarily the end of the story.

MR. MARQUAND asked if the Minister expected that by the autumn the tests would have reached a stage that would permit inoculation to begin.

MR. MACLEOD said that pilot batches of the vaccine were already available for testing. One would hope that the testing necessary would be finished by the autumn, and that between 500 and 1,000 litres would be available then.

He added in answer to further questions that although supplies were small the House would wish that some should be sent to different parts of the Commonwealth if it was required and if only as small pilot batches in the first instance. He had not decided that the two firms instead of a national laboratory should undertake the manufacture. Those two private firms of the highest repute were going ahead, and it might be that other firms would take it up.

MR. MACLEOD said that the major limiting factor now and for some time, unless a new medium was discovered, might be a shortage of monkeys. The Government had made contact with the Government of India, and the Medical Research Council had sent representatives to Africa to study the possibility of further supplies.

As reported in our issue of April 16 (p. 409) the two companies engaged in making the new vaccine are Glaxo Laboratories, Ltd., and the Wellcome Foundation, Ltd.

LEGAL REPORTS

PHARMACY ACT, EIRE

Unauthorised Sale of Rat Poison

AT Wicklow district court, on April 6, district justice Price imposed a fine of £5, with £2 10s. costs, on Mrs. Dorothy Briscoe, Ballinalea, Ashford, co. Wicklow, who, as an unqualified person, had sold phosphorus in Rodine rat poison. Messrs. J. J. Gaynor (law adviser), B. Fagan (analyst), and J. G. Coleman (registrar) appeared for the Pharmaceutical Society of Ireland.

Labelling Offences

FINES with costs and expenses totalling £18 5s. were, in the Dublin district court on April 18, imposed by district justice Molony on Thomas Maher, grocer, 125 Thomas Street, Dublin, who was summoned by the Pharmaceutical Society of Ireland for breaches of the Pharmacy Act, in selling lysol, not being a person qualified to do so, selling lysol not properly labelled with the name and address of the seller, and selling cloudy ammonia not properly labelled. Defendant pleaded guilty to all the summonses. A fine of £5 was imposed for the sale by an unqualified person and fines of £4 each for selling the lysol and ammonia not properly labelled.

COMPANY NEWS

Previous year's figures in parentheses

SOUTHON LABORATORIES, LTD.—Mr. H. R. D. Jarman has been elected to the board.

MAY & BAKER, LTD.—Mr. F. J. Paxon, B.Sc., A.R.C.S., F.R.I.C., M.I.Chem.E., has been appointed to the board.

ALLEN & HANBURYS, LTD.—An interim dividend of 7½ per cent., less tax (same), on the ordinary shares of the company for the year ending June 30 is announced.

P. H. GALLOWAY, LTD. — Profit for 1954 is £949 (£8,641 loss). From capital reserve, £7,578 (£562 tax overprovided). Settlement with outgoing directors, £6,725 (nil).

HUGHES BRUSHES, LTD. — The following additions have been made to the board: Mr. H. T. Barnes (director and company secretary); Mr. H. Meyer (sales director) and Mr. R. Grist (production director).

COOPER, McDOUGALL & ROBERTSON, LTD. — An ordinary dividend of 10 per cent. (5 per cent.), plus bonus of 5 per cent. (nil), is recommended. Consolidated profit, before tax, but after £91,978 (£88,479) depreciation is £494,921 (£115,707).

GLAXO LABORATORIES, LTD.—An interim dividend of 2½ per cent. on the ordinary stock in respect of the year ending June 30 is announced. Last year the rate was 5 per cent. on the capital before it was increased by the 100 per cent. capitalisation issue.

THE BRITISH DRUG HOUSES, LTD.—Dividend on ordinary capital recommended for 1954 is 15 per cent. (12½ per cent.) plus bonus of 2½ per cent. (nil). Group profits, before tax, is £485,841 (£395,816); tax, £269,309 (£271,121) and group net profit, £216,532 (£124,695).

F. W. BERK & CO., LTD.—Subject to completion of audit, the profit of the group for 1954, before tax, is £374,796 (£241,440); group profit after all charges, £183,739 (£109,071); taxation charged, £200,238 (£148,390). A final dividend of 4¼d. per share, less tax, is recommended. It is proposed to capitalise from the company's reserves £400,000 and issue to holders of ordinary shares one free share of 2s. 6d. for each share held, and afterwards to consolidate every two shares into one share of 5s.

MONSANTO CHEMICALS, LTD. —The report by the chairman (Mr. E. A. O'Neal, jun.), with the accounts for 1954, states that direct exports were a record at £4,799,179 and represented 38 per cent. of total sales. Capital expenditure during the year totalled £471,471 and further capital expenditure of £2·8 millions has been authorised. Accounts and dividend announcement were published previously (*C. & D.*, February 26, p. 224). —At the annual meeting of Monsanto Chemical Co., St. Louis, U.S.A., on April 14, Mr. O'Neal was elected to the board. He will continue as chairman of Monsanto Chemicals, Ltd., which office he has held since 1949.

SMITH & NEPHEW ASSOCIATED COMPANIES, LTD. — Group net profit for 1954, after all charges, is £519,274 (£484,478). U.K. tax charged, £568,976 (£554,934). Profit attributable to holding company, £480,333 (£451,741). Total net sales, £6,055,921 (£5,116,352). A dividend of 12 per cent. is recommended. The chairman (Mr. G. E. Leavey) foreshadows the fusion of those associated houses with similar functions into one legal entity so that there will be seven legal entities instead of seventeen. Sales in most divisions show steady progress but a warning is given that with rising costs the present rates of profits may be difficult to maintain.

EVANS MEDICAL SUPPLIES, LTD. — Trading and manufacturing profit of the group during 1954 is £393,825 (£233,426). Income tax is charged at £125,936 (£57,004), and after other deductions the net profit of the group is £135,983 (£57,904). The net earnings after taxation and preference dividend are equivalent to 36·5 per cent. gross on the ordinary stock. A total dividend of 6½d. per 5s. ordinary stock unit, or 10 5/6 per cent., is proposed (against 6d. in 1953). The chairman (Mr. Ian Fergusson) in his statement with the accounts states that major projects approved by the board include the erection of additional buildings at Speke. Sales for the first months of 1955 have been well maintained and he sees no reason why satisfactory earnings should not again be achieved.

New Companies

P.C. = Private Company; R.O. = Registered Office.

P. K. MACPHERSON (CHEMISTS), LTD. (P.C.).—Registered in Edinburgh. Capital £2,000. To carry on the business of retail chemists and druggists, opticians, etc. Subscribers: Margaret Macpherson and Christina M. McClymont, M.P.S. The first directors are not named. R.O.: 38A Hamilton Street, Saltcoats.

OLDHAM LABORATORIES, LTD. (P.C.).—Capital £100. To carry on the business of manufacturing and dispensing chemists and druggists, etc. Directors: Frederick W. F. Oldham (director, Industrial Sales (W.D.A.) Co.) and Maurice L. T. Bennett (director, Porosan, Ltd.). R.O.: 103 Cannon Street, London, E.C.4.

CRODA, LTD. — A new company was formed in Italy recently under the title of Croda Italiana S.r.L. to process wool grease into lanolin and lanolin derivatives. The company is jointly owned by Croda, Ltd., and Gaetano Marzotto & Fils. The plant is in the process of erection at Mortara, Pavia, and is expected to be in operation by July 1.

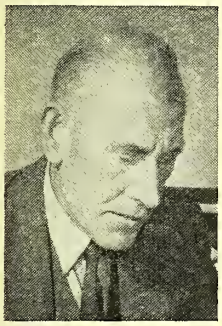
GLAXO LABORATORIES (IRELAND), LTD. (P.C.). — Registered in Dublin. Capital £50,000. To carry on business as manufacturers, distributors, importers and exporters of infants' and invalids' foods and foodstuffs of all kinds, etc. Directors: Donald MacKenzie, 3 Glenvar Park, Blackrock, co. Dublin; Oswald F. Morgan, John D. Hollinger and William J. McHugh.

PERSONALITIES

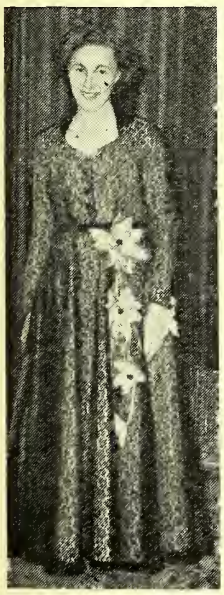
MR. H. R. D. JARMAN, who recently joined the board of Southon Laboratories, Ltd., will be principally concerned with developing the pharmaceutical side of the company's business. Mr. Jarman was previously associated with Harker Stagg, Ltd., for some fifteen years before relinquishing his directorship of that company.



MR. F. J. PAXON, whose appointment to the board of May & Baker, Ltd., is announced on p. 472, began work with the company as a research chemist under Dr. Ewins, F.R.S., at their Wandsworth factory. Early in 1927 he moved to their Battersea Works as works chemist, and continued as chemist-in-charge until 1934, when the Battersea and Wandsworth factories were transferred to Dagenham. After the move he was made assistant works manager at Dagenham. In 1943 he became assistant director of production and then, in 1952, the deputy director.



MRS. BARBARA PARRY, M.P.S., who has been elected chairman of the Rhyl Branch of the Pharmaceutical Society (see p. 492) qualified as a chemist and druggist from the Bristol School of Pharmacy in 1932. She is a granddaughter of Mr. James Robinson, who had a chemists' business in Frodsham, Cheshire, and later became a lecturer in botany at Owen's College, Manchester.



MR. LEN EVANS, who with Mrs. Evans set sail for New York and home on April 26 after three weeks in Britain, gained his British holiday as a reward for being adjudged top salesman of the products of the Ronson organisation in the United States. Mr. Evans, though an American citizen, was born in South Wales and lived there till he was five years old, and during his trip visited South Wales and renewed contacts with relatives and friends.

DEATHS

EVANS. — Recently, Mr. David Timothy Richards Evans, M.P.S., 136 Chepstow Road, Newport, Mon. Mr. Evans qualified in 1923.

FERRISS.—Recently, Mr. Henry Francis Ferriss, M.P.S., 150 Petts Wood Road, Petts Wood, Kent. Mr. Ferriss qualified in 1913.

FLINT. — On April 5, Mr. Philip Sidney Flint, M.P.S., 186 Redland Road, Bristol, 6. Mr. Flint qualified in 1913.

GARFIELD. — On April 17, Mr. Lawrence Garfield, M.P.S., 5 North Parade, Mollison Way, Edgware, Middlesex. Mr. Garfield qualified in 1926.

GUTHRIE.—At his home, 56 North Road, Belfast, on April 20, Mr. James Guthrie, M.P.S.N.I. Mr. Guthrie qualified as a registered druggist in Dublin in 1895, and became a member of the Pharmaceutical Society of Northern Ireland in 1926. For many years prior to his death he carried on a business at 335 York Street, Belfast.

LAYCOCK.—On April 1, Mr. James Laycock, M.P.S., 297 New King's Road, Fulham, London, S.W.6. Mr. Laycock qualified in 1889.

MARTIN. — On April 14, Mr. Arthur Benjamin Martin, 3 The Ridgeway, Meads Road, Eastbourne, Sussex, and formerly 98 Park Road, Loughborough, Leics, aged eighty-one. Mr. Martin qualified as a chemist and druggist in 1899.

MATHEWS. — On April 6, Mr. Reginald Kelly Mathews, M.P.S., Post Office House, Llandilo, Carmarthens, aged sixty-five. Mr. Mathews qualified in 1913.

PETERS.—On April 10, Mr. Edgar Peters, 16 St. Paul's Road, Weston-super-Mare, Somerset, aged sixty-four. Mr. Peters qualified as a chemist and druggist in 1913.

WIRTH. — At The Lodge, San Rafael, California, U.S.A., on March 9, Mr. Percy Hans Anton Wirth, Ph.D., M.P.S., F.R.I.C. Dr. Wirth was registered in pursuance of section II of the Medical Practitioners and Pharmacists Act, 1947. Born in London, Dr. Wirth obtained the German State Pharmaceutical qualification and the degree of Ph.D. with honours in chemistry at Munich University. In 1954 he graduated B.Sc. (California), and passed the licensing State examination in pharmacy. Dr. Wirth joined the Hoffman-La Roche organisation in 1935, and until 1946 was in charge of the Roche pharmaceutical laboratories at Welwyn Garden City, Herts. From 1946 to 1948 he was production manager to William R. Warner & Co., Ltd., and afterwards spent three years managing a factory in South Africa. Thence he went to Canada, where, in Toronto, he held a similar appointment.

INQUESTS

Adult Dose Given to Child. — A child of seven months, after receiving superficial burns, was given an adult dose (gr. ¼) of morphine by a family doctor, according to the Birmingham coroner. He told the jury that at the inquest recently, when a verdict of "Death by misadventure" was returned. The doctor said: "In my opinion, the quantity of morphia given was quite necessary and was not dangerous." A Home Office pathologist told the jury that death was due to paralysis of the respiratory centres, due to an overdose of morphine sulphate, superimposed on the child's bronchial pneumonia.

Teacher's Chloroform Overdose.—At an inquest held at Accrington, Lancs, recently, on Miss Berenice Ratcliffe, 24-year-old school teacher, Burnley Road, Accrington, who was found dead in bed, a police constable said that a pad of cottonwool and a small bottle containing chloroform had been found under the bedclothes. The constable had also found in drawers and cupboards in the room ten small bottles that had contained chloroform. Miss Ratcliffe's mother said: "My daughter suffered from asthma. She began to inhale chloroform, but I promised her a car if she would stop. I bought the car in August, and she did not touch chloroform for about a month, but about two months ago she took some more." A police surgeon said Miss Ratcliffe died from asphyxia due to chloroform poisoning after inhaling chloroform vapour. The deputy East Lancs coroner, in recording a verdict of misadventure, said: "I can only repeat, in the hope that it may prevent a similar tragedy, that it is dangerous to inhale chloroform unless it is controlled by a doctor."

BUSINESS CHANGES

THE postal address of Biometica, Ltd., has been amended to Park Road, Barnet, Herts.

BROOKS & WARBURTON, LTD., have removed to Morden Road, Mitcham, Surrey (telephones: (general), Mitcham 3466; (orders only), Mitcham 3499).

MESSRS. C. S. NASH, M.P.S., and C. SHERIL, M.P.S., have formed a partnership and will trade at 343 Commercial Road, London, E.1, as C. S. Nash (Chemists).

Appointments

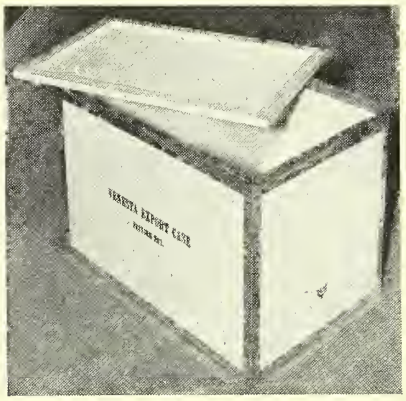
GOYA, LTD., Badminton Court, Amersham, Bucks, have appointed Mr. T. L. Jones their representative in the Gloucester, Wiltshire, Dorset and Bournemouth area.

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1, have appointed Mr. R. J. Roberts their representative in Birmingham, Leicester and the Midlands area in succession to Mr. J. H. Stirling.

PARKE, DAVIS & CO., LTD., Staines Road, Hounslow, Middlesex, has appointed Mr. G. Bryan, B.Pharm., F.P.S., manager of the company's advertising and sales promotion department.

PACKAGING NOTES

Money-saving Freight Case. — Designed to save shipping charges, the "pattern 201" Venesta metal-edged plywood export case illustrated, made by



Venesta, Ltd., Vintry House, Queen Street Place, London, E.C.4, has inside measurements of 27 x 18 x 18 in. On a consignment of 100 cases at 250s. per 40 cu. ft. the case gives a saving of £52 1s. 8d. over packing in a soft-wood case.

Industrial Self-adhesive Strapping.—P. P. Payne & Sons, Ltd., Haydn Road, Nottingham, are marketing a range of Rippatape industrial strapping tapes with breaking strength of 90/100 lb. per 1 in. width. Produced from high-quality cotton yarn reinforced along its entire length, the tapes are suitable for all types of heavy-duty packaging, bundling, reinforcement, palletising, holding, etc. Rippatape strapping tape is available in standard and waterproof qualities in $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1-in. widths, and in white and coloured grounds that can be printed in one-, two- and four-colour effects. It is available in 36-yd. coils, standardised on 3-in. centres, or in 50-yd. and 72-yd. coils.

Nylon Bottles.—Lacrinoid Products, Ltd., Gidea Park, Essex, are now producing nylon bottles. The two illustrated are blown from I.C.I. nylon, the dimpled design being filled with rum, the other empty. The bottles are of exceptional clarity yet mechanically strong. Their thermal properties are such that they can be repeatedly steri-



lised in boiling water or in the autoclave. Raw material supplies are still limited, but "reasonable quantities" of nylon bottles can be supplied by the company.

TRADE NOTES

Improved Cat Food.—C. Wiles, Ltd., Woodmansey, Beverley, East Yorks, announce that they have improved the quality of their Wiles cat food. Terms are available on application.

Address of the Company.—Vick International, Ltd., point out that their address is 10 New Burlington Street, London, W.1, and not as stated recently in these columns.

Tax Reimposed. — C. L. Bencard, Ltd., Minerva Road, London, N.W.10, have been notified by the Customs and Excise authorities that purchase tax has again been applied (as from April 21) on Benazma (linctus anti-asthmatic, Bencard).

London Showroom. — The Halex division of the British Xylonite Co., Ltd., Highams Park, London, E.4, is organising a special exhibition showing the full range of Halex products at the Halex showrooms, 9 Conduit Street, London, W.1, between May 2 and May 13.

An Advertisement Corrected.—Cuxson, Gerrard & Co., Ltd., Fountain Lane, Oldbury, Birmingham, point out that carriage is paid on £5 orders for their specialities Carnation corn caps and Adaptoplast, and not as stated in the company's announcement in the *C. & D.*, April 23.

Ascorbic Acid. — The Distillers Co. (Biochemicals), Ltd., Devonshire House, Piccadilly, London, W.1, are the distributors in Britain of ascorbic acid manufactured at Rhodes, New South Wales, Australia, by their associates, C.S.R. Chemicals, Pty., Ltd. Inquiries should be made direct to the company at Devonshire House.

Potential Employees. — Wright, Atkinson, Ltd., 70 Queen Victoria Street, London, E.C.4, have circulated their second brochure giving a representative selection of potential employees on the company's books, and interested persons are invited to apply for copies. The candidates include a number experienced in management, particularly in the pharmaceutical and chemical industries.

New Factory Opened. — Following upon the serious fire at the Cooltan Laboratories, Hampton, Middlesex (*C. & D.*, November 13, 1954, p. 483), a new factory has now been established in the London area at 67 Effra Road, S.W.2. The makers of Cooltan (Kathleen Court (England), Ltd.) state that the new premises incorporate a modern, highly-mechanised production unit capable of "extremely rapid and accurate manufacture and packaging."

Surface-active Agents. — The Atlas Powder Co., Wilmington, Delaware, U.S.A., and Honeywill & Stein, Ltd., Devonshire House, Mayfair Place, London, W.1, announce the formation of a jointly owned company, Honeywill-Atlas, Ltd., with equal participation by both partners, to make available from sterling sources sorbitol and a wide range of Atlas surface-active agents, including sorbitol-based derivatives sold under the brands Span, Tween and Arlacel. The products find wide application in many industries.



Combined Parcels.—County Laboratories, Ltd., Honeypot Lane, Stanmore, Middlesex, announce that from April 1 they are making available at special terms combined parcels of Brylcreem, Hiltone, Silvikrin, Amami, Countess and Bristow's specialities.

Rubber Cot Sheets.—Hard-wearing rubber sheets are available in two standard sizes under the brand name Olita from William Oliver's (Rubber), Ltd., Blackhorse Lane, London, E.17.

DISPLAY WRAPPER: Each jar of Go Poof deodorant (see *C. & D.*, March 19, p. 314) is issued in a pocket-shaped carton with high display back, as illustrated.

BURMA PHARMACEUTICAL PLANT

Scale model presented to Chargé d'Affaires

A MODEL of the pharmaceutical works that is being established in Burma by Evans Medical Supplies, Ltd. (*C. & D.*, May 1, 1954, p. 441), was presented by the building contractors to the *chargé d'affaires* of the Burmese Embassy (H.E. Sao Boonwart), at a ceremony in London on April 20. It was disclosed that, up to date, plant and equipment valued over £250,000 had been ordered including the alcohol and yeast plant which A.P.V. Co., Ltd., are supplying. The factories and ancillary buildings, which will provide over 250,000 sq. ft. of floor space, include:—

The main pharmaceutical factory, comprising the raw material store, drug grinding mill, galenical, tablet manufacture and filling departments and sterile products laboratories.

The biological institute for the preparation of sera and vaccines.

An alcohol distillery capable of an output of 2,400 gall. per day.

A plant for providing a quarter of a ton of dry medicinal yeast per day.

Farm buildings for animals required for serum production and for testing (not seen in model illustrated on p. 467).

Administrative buildings with ancillary buildings.

A pumping station, an effluent discharge plant and riverside rice stores.

Living quarters for the staff are also being provided nearby.

In making the presentation, Mr. James Cubitt paid tribute to the part played by the late U Tin Pe in the development of the project. U Tin Pe was killed in an aircraft accident off the Shannon last year.

NEW PRODUCTS AND PACKS

Oral Agent Against Tuberculosis.—Bengue & Co., Ltd., Mount Pleasant, Alperton, Wembley, are marketing a new oral chemotherapeutic agent against tuberculosis. The product, Dipasic—each tablet of which contains 100 mgm. of isonicotinic acid hydrazide-p-aminosalicylate — is issued in bottles of 100, 500 and 1,000 tablets.

Branded Reserpine Tablets.—Quiescin brand of reserpine (an alkaloid of *Rauwolfia serpentina*) is being marketed by Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2, as tablets containing 0·1, 0·25 and 1 mgm. Quiescin is indicated in anxiety states, mental illness and hypertension. The tablets are packed in bottles of 25, 100 and 500.

Metal-poisoning Treatment. — Riker Laboratories, Ltd., Morley Street, Loughborough, Leics, are marketing tablets of calcium disodium Versenate for the long-term treatment of lead and other heavy-metal poisoning, when oral administration of that chelating agent is to be desired. The tablets may also be used prophylactically against the occurrence of those conditions. The packs are bottles of 100 and 500 tablets.

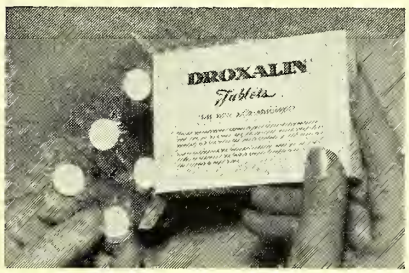
Treatment of Diarrhœa. — Sharp & Dohme, Ltd., Hoddesdon, Herts, announce the release of Cremomycin, a new comprehensive treatment for specific and non-specific diarrhœas. Cremomycin is a pleasant-tasting, fine-particle suspension of Sulfasuxidine and neomycin with kaolin. It is issued in bottle of 8 fl. oz. Cremomycin is subject to the requirements of the Penicillin Act and is on Schedules 1 and 4 of the Poisons Rules.

Routine Analgesic. — Menley & James, Ltd., Coldharbour Lane, London, S.E.5, have introduced under the name Daprisal a general analgesic for routine use. Daprisal is claimed to attack pain itself and to allay the apprehension and depression that are part of the sufferer's experience. Though potent, it is claimed to have a safety margin comparable with that of the salicylates. Daprisal is issued in containers of fifty and 500 tablets.

Urinary Antibacterial Agent. — Duncan, Flockhart & Co., Ltd., 104 Holyrood Road, Edinburgh, 8, have supplies available of Furadantin brand nitrofurantoin for the treatment of bacterial infections of the urinary tract. Furadantin is manufactured under licence from the Eaton Laboratories Division of the Norwich Pharmacal Co., and Messrs. Duncan, Flockhart are the sole distributors in the United Kingdom. Furadantin is packed in bottles of twenty-five 50-gm. grooved tablets, and is exempt from purchase tax. Supplies are available exclusively through wholesalers.

A New Hypotensive Agent. — On April 27, Roche Products, Ltd., 15 Manchester Square, London, W.1, introduced a new hypotensive agent, Arfonad ((+)-3,4(1',3'-dibenzyl-2'-ketoimidazolido)-1,2-trimethylene thiophanium d-camphorsulphonate). Arfonad is a ganglion-blocking agent with a direct dilator effect on peripheral vessels. It is distinguished by a rapid, short and reversible action that permits minute-to-minute control of the blood pressure. The product is presented dry in packs of three and twenty-five vials of 250 mgm., each vial accompanied by a 5-c.c. ampoule of redistilled pyrogen-free water.

Acid Adsorbent.—Scott & Turner, Ltd., Andrews House, Newcastle-upon-Tyne, 1, announce the introduction of an acid-adsorbent tablet, Droxalin. Each tablet contains gr. 2·5 of aluminium hydroxide and gr. 2·5 of magnesium



trisilicate with sugar and peppermint. Samples are being sent to every doctor and chemist in the country. The pack is a carton of thirty tablets, each wrapped in transparent tissue.

Ion-exchange Antacid. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction of a new speciality Styrion tablets, each containing 0·4 gm. polyaminostyrene, an ion-exchange resin for use in the treatment of hyperacidity. Styrion has been made to represent the nearest practical approach to the ideal gastric antacid. It is stated to remove hydrochloric acid from the stomach if hyperacidity exists and to release it in the small intestine, where it is harmless. The makers claim that the compound has no other activity and does not interfere with desirable physiological processes. The pack is a forty-tablet carton.

Hypnotic with Two-phase Action.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, are introducing Bidormal, a hypnotic with a two-phase action. Presented as tablets, the outer core contains a rapid, short-acting barbiturate, while the inner core, which has a carefully timed delayed action, contains an intermediate-acting barbiturate. Bidormal thus produces rapid and evenly maintained sedation throughout approximately eight hours. Each tablet contains pentobarbitone sodium, B.P., 90 mgm., in a rapidly soluble outer shell; and butobarbitone, B.P.C., 60 mgm., in an enteric-coated inner core. It is supplied in bottles of twenty-five and 500.

Sedation as Required.—The Armour Laboratories (Armour & Co., Ltd.), Hampden Park, Eastbourne, Sussex, are introducing Nidar tablets containing secobarbital sodium, gr. $\frac{3}{8}$; pentobarbital sodium, gr. $\frac{3}{8}$; butobarbital sodium, gr. $\frac{1}{8}$; and phenobarbital, gr. $\frac{1}{8}$. The onset of action is twenty minutes after administration of one tablet. Control of tension rapidly becomes more pronounced because of the nearly simultaneous onset of the effects of the pentobarbital and butobarbital. The additive action of the phenobarbital occurs about one hour later. The action persists for some four to five hours. Average dosage is one tablet in the morning and one in the afternoon. The suggested hypnotic dose is one or two tablets half an hour before retiring. The tablets are packed in bottles of fifty, 100 and 1,000.

Boiled Sugars in New Packs.—A. L. Simpkin & Co., Ltd., Sheffield, 6, are now marketing glucose barley sugar, acid drops and assorted fruits in shallow metal drum containers.

Hospital Packs.—From May 2, Vitamins, Ltd., Upper Mall, London, W.6, are making their product Parentrovite available in boxes of twelve pairs of ampoules in I.V. 250 and 100, and I.M. 250 potencies, and in boxes of twenty-four pairs of ampoules in I.M. 100 potency.

Sugar-free Marmalade.—L. Rose & Co., Ltd., 13 Grosvenor Road, St. Albans, Herts, have put on the market a sugar-free lime marmalade, sweetened with sorbitol, and understood to be exceptionally low in sugar derived from the fruit. The product is approved by the British Diabetic Association.

"Book-match" of Elastic Dressings. Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts, are marketing a new pack of Elastoplast to be



known as the Carry-pak. The pack is of "book-match" type and holds three individually wrapped dressings. Samples have been sent to all chemists in the British Isles, with details showing how the new pack may be included in the company's spring bonus offer.

Nursery Powder.—The latest addition to the range of toilet luxuries issued by



Cussons Sons & Co., Ltd., 84 Brook Street, London, W.1, is the Disneyland baby and nursery powder illustrated. The tin is colourful and "easily manageable." It displays the various Disney characters (Mickey Mouse, Donald Duck, Pluto, Bambi, Thumper and Chip) in a bath-time setting. For men, the powder may be used as an after-shave talcum.

CANDIDATES FOR THE COUNCIL

Who they are and what they stand for

THE following are seeking election to the Council of the Pharmaceutical Society on May 18. The summarised statements of policy have been submitted by the candidates at the invitation of the Editor.

ELDER, WILLIAM TODD

PROPRIETOR of two pharmacies and in business on own account for twenty-eight years. Apprenticed with the late P. A. Abel, Inverurie. Served in 1914–18 war. Qualified in 1922. Member of Society's Council for three years. Has served on Publications, Law and Organisation Committees and chairman of Ethical Committee, 1954–55. Chairman of the local committee for the British Pharmaceutical Conference's meeting at Aberdeen in September. A member of Executive, Scottish Department of the Society. Past president, Aberdeen Pharmaceutical Association. Secretary, for eleven years, Aberdeen and North-eastern Scottish Branch of the Society. A past-president, Chemists Federation (and a member of its council for ten years). A member of Executive, Scottish Pharmaceutical Federation, and of the Aberdeen Pharmaceutical Committee. A former member of the General Council of Panel Chemists and Standing Committee (Scotland).

POLICY: In my association with pharmaceutical organisations my policy has always been to maintain and improve the status of the pharmacist and his profession. Few retail pharmacies can exist on dispensing alone, but allied products stocked should be worthy of a place in the pharmacy and not lower the dignity of our profession. I support a high standard of education, but the period of practical training must be extended to two years. More attention should be given to educating students on matters of professional conduct. The Council should seize every opportunity to raise the status of the pharmacist in the hospital service, and should continue its policy of close liaison with other pharmaceutical organisations. When a maior change of policy is to be introduced, branches should be given ample time to discuss it.

GREENWOOD, ALICE

PROPRIETOR pharmacist. Qualified 1931. Married to a pharmacist. Has two sons. President, Blackpool and District Branch, Pharmaceutical Society. President, National Association of Women Pharmacists, secretary of its Blackpool Branch, and chairman of its executive committee during its interim reconstruction, 1953–54. A past committee member, Blackburn and Darwen Branches of the Pharmaceutical Society.

POLICY: As a proprietor pharmacist actively engaged in retail pharmacy I possess a first-hand knowledge of the problems that confront us. I contend that pharmacy, with its great responsibilities in the National Health Service, is not accorded equality of status with allied professions, and should strive to raise the national prestige of pharmacy as a profession. I am opposed to action that could lead to official recognition for unqualified technicians. I feel that one year's post-graduate apprenticeship is inadequate. The opinions of the branches should be well considered before any irrevocable reforms take place. I support closer co-operation between Council, Society and Branches. International relationships, especially with the Commonwealth, should be fostered. I should be particularly interested in the administration of the Benevolent Fund. I fully realise that time, enthusiasm, and whole-hearted concentration are essential to do justice to Council obligations. Those I place at the disposal of all sections of pharmacy.

HUDSON, DONALD WILLIAM

QUALIFIED 1919. Managing director, Parris & Greening, Ltd., Hove. Chairman, Brighton and Hove Branch of the Pharmaceutical Society, 1945–48. Chairman, Brighton and Hove Association, 1943–48. Chairman, organising committee, British Pharmaceutical Conference, Brighton, 1948. Elected to Council 1949. Chairman, Public Services Committee. Chairman, Organising Committee, *Fédération Internationale Pharmaceutique*, London, 1955. Chairman, British side, Franco-British Pharmaceutical Commission, 1949–54. Chairman, Franco-British Pharmaceutical Congress, Brighton, 1951, and Harrogate, 1953. A member, Statutory Committee, Joint Formulary Committee, dressings subcommittee of the British Pharmaceutical Codex, Parliamentary and Scientific Committee, and Poisons Board. A member of Executive, National Pharmaceutical Union, and its chairman, 1952–53. A member, Central National Health Service (Chemist Contractors) Committee. Chairman, National Joint Industrial Council for Retail Pharmacy. A member, Pharmaceutical Whitley Council and of numerous technical subcommittees of the N.P.U. A member of council, Chemists Federation, 1950–53. A member, Surgical Instrument Manufacturers' Association and a Fellow of the Institute of British Surgical Technicians.

POLICY: My policy has remained unchanged throughout the forty years in which I have been engaged in retail practice. My experience has proved that the individual pharmacy conducted on comprehensive and scientific lines has been capable of providing every pharmaceutical service that modern medical practice requires, and I am satisfied that, under proper terms and conditions, it will continue to do so in the future. I believe that the organisation of pharmacy in Great Britain is the best that is to be found anywhere in the world, and I am satisfied that the Pharmaceutical Society of Great Britain will be called upon to play an increasingly important part in international affairs. If returned to the Council I will continue to implement those convictions to the best of my ability, and in so doing will be guided by my own common sense and experience in all matters that come before me.

ISLIP, MARY CATER

QUALIFIED 1929. Chief pharmacist, Paddington Green Children's Hospital, London (appointed 1933). A member of the Pharmaceutical Society's Council since January 1945, and of its Ethical, Organisation, Public Services, Establishment, and Publications Committees. A past member of the Finance Committee. A past-president, Guild of Public Pharmacists, and a present member of its council and executive. A past-chairman and present committee member, Harrow and District Branch of the Society. A past-president and former employment secretary, National Association of Women Pharmacists.

POLICY: I believe that the following are of prime importance for the good of pharmacy and to enable us to give the best possible service to the public:—EDUCATION, both pre- and post-graduate, must be such that the pharmacist is competent to deal with the modern complexity of drugs and techniques and to contribute with other scientists to the progress of science and medicine. That means, inevitably, changes from time to time in the educational system. STANDARDS (satisfactory accommodation, equipment, staffing and service) are necessary wherever pharmacy is practised. There must be no slackening of efforts to obtain good pharmaceutical standards in the Armed Forces. LIAISON must be encouraged between headquarters and Branches, between pharmaceutical organisations, and with pharmacy in other countries. With understanding and co-operation much can be accomplished. Before and during my ten years on the Council I have steadily endeavoured to further those interests, and shall continue to do so.

JACKSON, MITCHELL

EDUCATED at Bradford Grammar School and Technical College. Qualified 1929. Proprietor chemist. A member, Leeds District Committee of the Pharmaceutical Society for eighteen years and chairman 1946. Employee representative for a time on Central Pharmaceutical Committee. A past-chairman, N.P.U. branch, and a member, Leeds Pharmaceutical Committee.

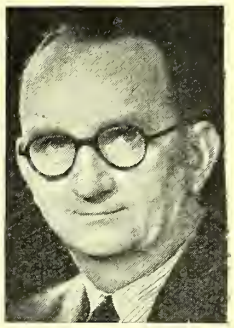
POLICY: I believe the important functions of the Society are to maintain the highest possible educational and professional standards in the service of the community. In spite of the more routine dispensing practice, standards of qualification should enable the holder to meet whatever requirements may be ahead. I favour a two-year apprenticeship but believe a decision on this should be made without regard to the educational standards. For a pre-graduate apprenticeship, the Council might well institute a system of papers and marking to encourage

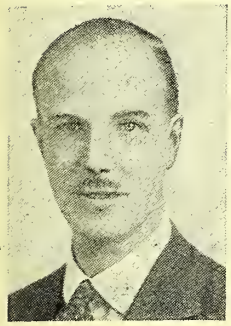

Miss M. J. Hincks


Mr. D. W. Hudson


Miss M. C. Islip

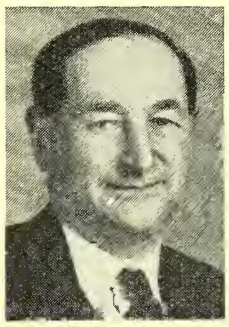

Mr. Mitchell Jackson


Mr. C. W. Maplethorpe


Mr. Tom Reid


Mr. T. E Searle


Mr. Granville Shaw


Mr. C. C Stevens


Mr. W. J. Tristram

pharmacists to take apprentices. I would support any action which might improve the pharmaceutical services in H.M. Forces and would always oppose the Society's examination and registration of assistants. Changes must be closely watched to ensure that pharmacy maintains its rightful place. The Council should give the fullest information to members. There should be the closest co-operation between Council and branches through representative meetings in the development of policy on major issues. Regional associations of branches should be encouraged. Expenditure should be closely watched and there appears to be room for greater administrative efficiency.

MAPLETHORPE, C. W.

MANAGING director, Allen & Hanburys, Ltd. Qualified as a pharmaceutical chemist in 1922. Before joining the Council in 1943 was one of Society's examiners in pharmaceutical chemistry. A member, Poisons Board. Chairman, Education, Codex Revision and Veterinary Committees of the Society and of the Editorial Committee, *Journal of Pharmacy and Pharmacology*.

POLICY: My major interest as a Council member is education. Before election in 1952 I stated that a new system of pharmaceutical education had been established, but certain weaknesses have become apparent. Practical training is under review, and the Council has appointed a subcommittee to advise on all aspects of education. The recommendations of that subcommittee will, it is hoped, stabilise educational conditions in pharmacy for several years. I also take a special interest in scientific publications which I consider of great concern to the Society, and in veterinary affairs, because I think close liaison between the Society and veterinary bodies, and between the pharmacist and the veterinary profession, especially in rural areas, is important. I am interested in branch activities especially in isolated districts, and am happy to record the formation of the Hertford and District Branch to cater for over 100 members in a widely scattered area.

REID, TOM

A MEMBER of Council since 1945. Qualified in 1930. A proprietor pharmacist. Formerly manager for Savory & Moore, Ltd., at Oxford, and of dispensing department, John Bell & Croyden, London, and of T. W. & W. Southall, Birmingham. Commenced in business in Luton in 1948, and recently acquired old-established pharmacy of E. J. Blaker, Ltd., Haslemere. A former chairman, Organisation and Benevolent and War Aid Funds Committees of Council and on Education, Law, Public Services and Parliamentary Fund Committees. A past-chairman and former secretary, Oxfordshire Branch. A member of subcommittee on tablets, British Pharmacopœia Commission, 1948–53. A member of the Joint Formulary Committee of Society and British Medical Association.

POLICY: During the ten years that I have been privileged to serve as a member of the Council I have taken a full and active interest in all its work and deliberations, and especially of the several Committees upon which I serve. I support the present educational policy so far as it is designed to produce an adequate number, not an excess, of "general practitioners" in pharmacy. Specialisation in the several highly specialised fields must follow the basic qualification, as in other professions. Being comparatively young, and engaged in the daily practice of pharmacy, I have a personal interest in the further advancement of our profession, and, if re-elected, will continue to work for the betterment of pharmacy as a whole, and never for sectional interests alone.

SEARLE, T. E.

MANAGER of a private company pharmacy in Eastbourne. Aged thirty-eight. Qualified 1939 as Pharmaceutical Chemist from Brighton Technical College. A member of National Advisory Committee, Association of Pharmaceutical Employees; a life-member, Socialist Medical Association. Chairman, Eastbourne branch, Union of Shop, Distributive and Allied Workers. Chairman, Sussex Federation of U.S.D.A.W. branches. A former vice-president, Eastbourne and district Trades Council. A member, National Joint Industrial Council for Retail Pharmacy. Employee representative on Eastbourne Pharmaceutical Committee.

POLICY: I stand to represent the interests of the managers and qualified assistants in retail pharmacy. Employee pharmacists must fortify their own organisations if they are to improve or even maintain their present standards and hard-won privileges. There should be more pressure for an early review of the Shops Act to prevent a return to pre-war shopping hours. Any encroachment on the pharmacist's half-day entitlement should be resisted. Rota-breaking should be condemned as unethical. Scales of remuneration do not adequately reflect professional responsibility, nor support the view that there is a shortage of pharmacists. Practical training (pre- or post-graduate) should cover a minimum of two years and include business or administrative training. Pharmacists in Parliament should propose abolition

of the prescription levy; modification of conscription; and measures to reduce multiplicity of similar proprietaries.

SHAW, GRANVILLE

PROPRIETOR pharmacist, Ph.C., 1907. Member of Society's Council since 1946. Has served on Educational, Benevolent, Establishment and Publications, Law, Public Services, Finance, and Ethical Committees. A member, fellowship subcommittee. A past-chairman, Nottingham Branch. Chairman, local committee, British Pharmaceutical Conference, Nottingham, 1952. A member, pharmacy advisory committee, Nottingham University.

POLICY: It has been my privilege to serve on the Society's Council for nine years, and during that time I have taken an active part in shaping the policy and decisions made. If re-elected, I shall endeavour to make further contributions to the solution of the Council's many problems.

STEVENS, C. C.

APPRENTICED in York. Qualified from Leeds University, 1934. Held various managerial retail posts in Yorkshire, Oxford and Birmingham until the early days of 1939–45 war. Served with Intelligence Corps. Graduated Bachelor of Laws, London University, 1946. Entered the manufacturing side of pharmacy with Glaxo Laboratories, Ltd. Since 1949 employed by Imperial Chemical (Pharmaceuticals), Ltd. An associate member, International Pharmaceutical Federation. A member, Macclesfield and District Hospital Management Committee.

POLICY: Except for a break for war service, I have been engaged in pharmacy for twenty-seven years in the retail (private, multiple and co-operative) and manufacturing sides. If elected, I should devote myself to the best interests of pharmacy and particularly to the professional and commercial welfare of the individual pharmacist. In order to attain that end, I feel it best to make no firm statement on policy but to leave myself free to make fair and judicial decisions on problems that may arise from time to time.

TRISTRAM, W. JOHN

A MEMBER of Society's Council since 1943. President, 1952–53. Chairman, National Pharmaceutical Union, 1944–45. A former president, Chemists Federation. A member, Central Health Services Council. Chairman, Standing Pharmaceutical Advisory Committee under the National Health Service Act. A member, South Liverpool Hospital Board. A former chairman, Liverpool Branch of the Society. A member, Liverpool Executive Council and Liverpool Pharmaceutical Committee. A former lord mayor of Liverpool. Owns three pharmacies in Liverpool.

POLICY: I have served as a member of the Council for twelve years, and I am grateful for the confidence that has been given to me during that period. I have endeavoured to serve the profession of pharmacy to the best of my ability, and in accepting nomination again I renew my promise to work diligently to promote the best interests of our calling.

No statement was received from Miss Hincks. No photograph was received from Mrs. Greenwood. A photograph promised by Mr. Elder had not arrived when we went to press.—EDITOR.

BRITISH PHARMACEUTICAL INDUSTRY

Annual meeting and dinner of the Association

THE annual meeting of the Association of British Pharmaceutical Industry, held in London on April 20, was attended by 132 representatives of member companies, the president of the Association (Mr. J. F. Boucher) in the chair.

Names of the successful candidates in the Council election were announced, as follows:—Messrs. R. K. Allen (Stafford Allen & Sons, Ltd.); T. Armstrong (Eli Lilly & Co., Ltd.); J. C. Hanbury (Allen & Hanburys, Ltd.); H. G. T. Read (Hirst Brooke Goodalls, Ltd.); and C. A. O. Rideal (May & Baker, Ltd.). Mr. C. L. Saul was unanimously elected an honorary member of the Association.

In the discussion on the annual report of the Association for 1954-55, particular attention was given to those sections on the National Health Service, Pharmaceutical Exports and Productivity. The report mentions that under Foreign Operations Administration Aid, the Pakistan Government is to receive a gift of £1·63 millions of drugs and medicines during the first six months of 1955 out of a total requirement of £1·82 millions. Although procurement of part of the supplies of drugs may be lodged in Great Britain among others, including the United States (the donors), the ultimate effect on British exports of drugs is yet to be felt.

New regulations affecting duty free imports of B.P., B.P.C., and B.Vet.C. drugs into Nigeria have been framed which affect the marketing of medical specialities. New pharmacy legislation is also contemplated in the Gold Coast and Sierra Leone. Diplomatic intervention, the result of representations made by the Association, has been successful in a number of cases where foreign firms have attempted to register the actual generic name (or a near variant) thus affecting the marketing of British pharmaceutical products sold in those territories under the "open" name.

Surplus Stores in Egypt

Members of the Association have expressed some anxiety regarding the disposal of surplus pharmaceutical stores held by the R.A.F. and Army Authorities in the Suez Canal Area. Representations have been made to the Ministry of Supply and it is understood that, while the majority of surplus stores of other commodities will be sold by public auction, it is the intention that pharmaceutical products will be offered for sale by restricted tendering, after the views and needs of Egyptian Government departments have been considered.

On home affairs the report states that the Association has not entered publicly into the controversies which have arisen from House of Commons debates or from the publication of official reports on various aspects of the Health Service, since it has felt itself under an obligation to withhold comment whilst discussions were proceeding with the Department.

Recently the publicity committee has formulated suggestions for the consideration of members on the standardisation of entries in trade directories, and is, at present, examining recommendations for the adoption of standard sizes for members' technical literature. The committee is also exploring the suggestions made by a number of doctors that information should be given to the medical profession in standard form.

Annual Dinner

There was a record attendance of 400 representatives of member firms and guests at the annual dinner held the same evening.

SIR RUSSELL BRAIN (president, Royal College of Physicians) proposing "The Pharmaceutical Industry" said it was perhaps appropriate that he should be asked to do that toast, because one of the reasons why the Royal College of Physicians was founded about 450 years ago was to keep an eye on the pharmaceutical industry of that time. The College was required by Henry VIII to inspect the apothecaries' shops within seven miles of Charing Cross, and "woe betide the apothecary whose powdered unicorn horn did not come up to the standards of the College." The relationship between the two bodies was developed by the fact that the College was required to publish a pharmacopœia to which all the apothecaries were required to conform. He found in one pharmacopœia, published in 1650, one composition containing 128 ingredients: "clearly in those days there was no restriction on the doctor's right to prescribe."

Obviously there had been very great changes in pharmacy since then and, of course, in medicine, even within his own memory—because as a student one of the things he had to do was to make p lls, and for some reason which he never understood "they always came out square and set extremely hard."

Sir Russell said the medical profession owed a great debt to the pharmaceutical industry for the magnificent research which it had done and which was still going on. There was also the day-to-day service in providing all the things needed for the treatment of patients and the guidance which "we all receive as individuals and which is a never-failing help to the profession as a whole."

The medical profession was particularly well placed to appreciate the industry's difficulties for surely there

could be no industry which was faced with more complicated problems—problems inherent in the ordinary rapid changes which were taking place in medicine. The industry may embark on some important project producing something vitally necessary at the moment and then very quickly it may all be swept away by the appearance of something fresh. That was a real problem which should be more generally appreciated than it is. The industry must continue to do its good work in promoting research and compete in the export market with any country in the world.

Replying to Sir Russell Brain and proposing "The Guests," MR. J. F. BOUCHER expressed appreciation of the tribute that had been paid by Sir Russell Brain to the research accomplishments of the pharmaceutical industry. In turn Mr. Boucher acknowledged the splendid contribution made by research workers in the universities and in other institutions in laying the foundations of medical progress. The industry was keenly aware of its responsibilities to the community and would continue to place the discovery and development of new and better drugs in the forefront of its objectives. On the recent announcement of anti-poliomyelitis vaccine elaborated by Dr. J. E. Salk of the University of Pittsburg (see *C. & D.*, April 16, p. 409), plans for large scale production of a British vaccine would be implemented when successful clinical trials had been completed.

Discussions were still going on between the Association and the Ministry of Health on the principles of establishing satisfactory prices for those preparations placed in categories 2, 3 and 4 by the Cohen Committee. This was a most difficult question, and whatever the outcome, great care must be taken to see that the export trade and research efforts were not impaired in any way. The industry's export record was phenomenal for its size. Out of a total production of about £120 millions, no less than £33 millions was exported, which was only slightly less than the figure spent by the Health Service (£37 millions).

PROFESSOR A. ROBERTSON (president, British Veterinary Association) responded for the guests.

PHYSICAL SOCIETY'S EXHIBITION

New instruments and apparatus

THE thirty-ninth annual exhibition of the Physical Society was held in London, April 25–28.

Reflecting the widening usage of atomic energy and the necessity of having accurate blood-pictures of those engaged in such work, a number of automatic blood-cell counters were on view. They included a "robot" blood-cell counter made by C. BAKER OF HOLBORN, LTD., 244 High Holborn, London, W.C.1. In the device, which has been developed in collaboration with the Atomic Energy Research Establishment at Harwell, an ungraduated haematocytometer is placed on a microscope stage which automatically moves to and fro. The microscope forms images of the cells on to a slit at the top of its tube. A photomultiplier above the slit sends out a pulse as each red cell passes through the microscope field. The pulses are counted. The process is repeated after replacing the single slit by a double one. The count of cells per cu. mm. is read from tables against the two values obtained from the instrument. With normal blood the count is completed in four minutes. A similar type of apparatus was shown by C. F. CASELLA & CO., LTD., Regent House, Fitzroy Square, London, W.1. A prototype Eel blood-cell counter was demonstrated by EVANS ELECTROSELENIUM, LTD., Harlow, Essex. In that instrument a small quantity of diluted blood is drawn into a pre-calibrated glass capillary tube. From that tube the sample moves slowly into the counting chamber where an accelerating stream of distilled water spaces the blood cells which are then viewed by a photo-electric cell. The signal from the photo-cell is amplified and passed to an electronic counter. The mean rate of count is 200 per second.

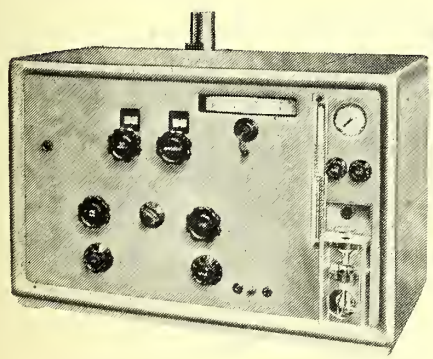
Titration Apparatus

Automatic titration apparatus was shown by ELECTRONIC INSTRUMENTS, LTD., Lower Mortlake Road, Richmond, Surrey and by W. G. PYE & CO., LTD., Granta Works, Newmarket Road, Cambridge.

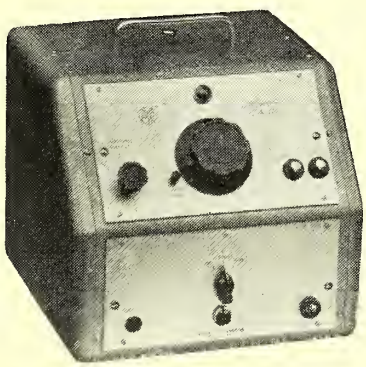
A new model of the Mervyn-N.P.L. infra-red spectrometer was on show at the stand of MERVYN INSTRUMENTS, Copse Road, St. John's, Woking, Surrey. The instrument is now claimed by the makers to have an efficiency exceeding that of any other single beam instrument in its range.

A new flame photometer was shown by UNICAM INSTRUMENTS, LTD., Arbury Works, Cambridge. It consists of a burner (for propane or acetylene) fed with an air supply from compressed-air bottles in which the sample material has been finely dispersed by means of an atomiser. Light from the highly-stable burner is passed through a silica prism monochromator on to a photomultiplier. The output from the photomultiplier is amplified and displayed on a spot galvanometer.

GRIFFIN & GEORGE, LTD., Ealing Road, Alperton, Wembley, Middlesex, showed the Griffin-B.D.H. water deioniser. Of all glass construction, the apparatus contains a 12-in. deep mixed resin bed and produces water of high purity (*p*H 7). The unit is provided with a dual-purpose stand for either bench or wall mounting.

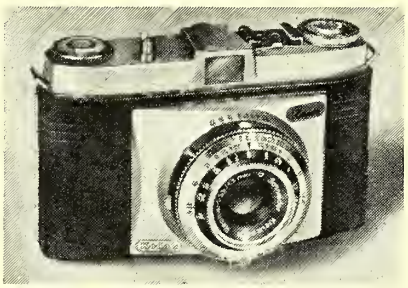


Unicam flame photometer.



Pye automatic titrator.

PHOTOGRAPHIC NOTES



Kodak Retinette camera (see *C. & D.*, April 23, p. 450).

Flashbulb Change.—The No. 1 flashbulb of the General Electric Co., Ltd., Magnet House, Kingsway, London, W.C.2, is now in the new capless fashion, with reduced price, faster speed (1/100 sec.) and ample light output (6,500 lumen seconds). The amateur photographer has in it a bulb he can afford to buy, and which will enable him to take action snapshots with the simplest of cameras. Contact is made by two wires that fold back outside the glass neck to make direct electrical connection with two terminals inside the adapter, which is in turn inserted into any flashgun that takes A.S.C.C. flashbulbs. A fibre ring holds the wires in position and serves also to position the bulb in the adapter correctly. The bulb is of the usual cylindrical shape associated with such G.E.C. products, and the suggested guide number is 120 with 32° film. Trials with the bulbs indicated that they are fast enough to stop normal movement, and the amount of light is adequate. A test exposure was made in a room with medium coloured walls, about 12-ft. square, the shutter was set at 1/25 sec. and the aperture at f/16. The camera and flash was against one wall, the subject against the wall at the other end of the room; the resulting negative, developed in ID-2, was adequately exposed and full of detail even in the dark suit of the sitter.

DEVELOPMENTS IN THE UNITED STATES

Measures against fruit blights and cattle grubs; a detergent; preservatives for oils

MR. JOHN C. DUNEGAN (a United States Department of Agriculture chemist) reported at the annual meeting of the National Agricultural Chemicals Association, held in Spring Lake, New Jersey, recently, on the growing use of streptomycin, Terramycin and other antibiotics in plant pathology. Mr. Dunegan said that pear blight was a constant threat to the pear industry and that the bacterial organism that caused that disease was widely distributed and in some areas limited the production of high-quality fruit. Streptomycin and mixtures of streptomycin and Terramycin had drastically reduced blight infections on apples and pears. In an extensive experiment in California five applications gave satisfactory control when the materials were used at a rate of thirty to thirty-three parts of antibiotics to a million parts of water and, at double that rate of application, almost complete elimination of the disease was obtained. The speaker commented that only relatively small quantities of those antibiotics were required to control diseases and that as little as one-fifty-sixth of an ounce of one of the antibiotics in 100 gall. of water was sufficient to bring about control of certain plant diseases. In addition to Terramycin and streptomycin, another material, cycloheximide, proved to be effective against some mildew fungi, turf diseases and rust of mint. The material was now being used extensively for the control of cherry-leaf spot. The chemical was supplied to growers in tablet form. Control of certain vegetable diseases in experimental work also was pointed out by Mr. Dunegan. He said that, in California, bacterial spot of tomatoes and bacterial canker of tomatoes was "markedly reduced" by soaking infected seeds in a streptomycin solution before planting. Streptomycin, he added, had succeeded in eradicating halo blight of beans in tests.

Entomologists and veterinarians at the U.S. Department of Agriculture's Kerrville laboratory, Texas, are investigating the parenteral and oral uses of organic phosphorus insecticides against parasitic cattle grubs. Chlorthion and a dialkyl phosphate given yearling cattle by mouth, killed cattle grubs for as long as three weeks following treatment. It is still to be discovered what toxic effect continued use of the chemicals will have on the animals, and also whether treatments cause accumulation of chemical residues in meat or milk.

General-purpose Detergent

Planisol, a new industrial detergent, has been developed by the Votator Division of the Girdler Co., Louisville, Kentucky, for the fatty oils, meat packing and meat processing industries. The new product, the company states, rapidly emulsifies all types of oil and leaves a chemically clean surface. It is a general-purpose detergent and its makers suggest its use for a wide range of jobs including the cleaning of large vessels heavily encrusted with polymerised oil. The new detergent, it is claimed, has excellent bactericidal properties and a phenol coefficient of 2. It does not attack aluminium and may be used to clean that metal as well as carbon steel, stainless steel and other materials. Vessels and equipment cleaned with the detergent are completely deodorised.

A study conducted by a team of California plant physiologists, using radioactive isotopes as tracer elements, indicates that air pollutants may upset the mechanism by which plants absorb water and nutrients. According to Drs. Randolph T. Wedding and Louis C. Erickson of the University of California's Citrus Experiment Station, who have investigated smoke-fog damage to plants, the permeability of plant tissue is decreased under conditions of air pollution.

Research workers at the Battelle memorial institute, Columbus, Ohio, have been experimenting with the use of ultrasonic beams to kill viruses for the preparation of vaccines.

A new type of iodine which it is claimed causes no sting or stain when applied to the skin and is non-poisonous, has been introduced under the name of Westcodyne by the West Disinfecting Co., New York.

Two new chemical substances for the preservation of oils have been discovered by two U.S. Government chemists, Drs. A. W. Schwab and C. D. Evans of the Department of Agriculture's Northern Utilisation Research Branch, Peoria, Illinois. Known as Mecsa and Metsa, they have proved effective in soya-bean oil and cottonseed oil by actual taste tests and by chemical analysis. Each of the new compounds preserves flavour by preventing oxidation of metals such as iron and copper, present in the oil in minute amounts. The preservatives themselves combine with the metals. The new agents tended to decompose when heated. Mecsa is mono-octadecyl ester of carboxymethylmercaptosuccinic acid. Metsa is mono-octadecyl ester of thiosuccinic acid.

A team of electronics engineers at the David Sarnoff Research Centre of the Radio Corporation of America, Princeton, New Jersey, working in co-operation with the Sloan-Kettering Institute, New York, has developed an electronic instrument, called the Sanguinometer, to count microscopic particles such as blood cells and bacterial cultures. The equipment has been devised to provide a simple, rapid and accurate mass method of taking blood counts to detect the first signs of radiation sickness among persons in the target area of an atomic bomb. Essentially, the instrument is a closed-circuit industrial television system combined with an optical microscope and a computer.

A government entomologist (Mr. J. C. Keller) reports that insecticidal baits originally developed to control insecticide-resistant flies on farms, are proving equally lethal to urban-type houseflies and blowflies. Several of the chemicals have given nearly perfect control. Insecticides used in the test baits were all organic phosphate compounds. Two of the chemicals, malathion and L 13/59, had been proved effective in earlier tests against resistant flies in dairy barns. Promising new materials included in the tests were chlorthion and an experimental phosphate, OS-2046. All were greatly diluted in mixtures of molasses, malt, or sugar and water.

NORTHERN IRELAND HEALTH BOARD

Prompt pricing at expense of accuracy?

AT a meeting of the Northern Ireland General Health Services Board held in Belfast, recently, MR. JOHN MCGREGOR referred to the Summary of Health Services Accounts, 1953–54 and pointed out that the comptroller and auditor-general had stated that to some extent full pricing and prompt payment had been achieved at the expense of accuracy. MR. W. BIRNIE (assistant secretary) said that there had been some inaccuracies but an internal audit system had now eliminated most of those. The auditor had agreed that there were bound to be errors in pricing six to seven million prescriptions per year and had indicated that the number of errors found was not unreasonable. The errors were mainly financial, a halfpenny or penny up or down in some cases. It was not possible to give exact figures but the present system of pricing was an improvement in accuracy on the averaging system.

In connection with an inquiry on Diaparene chloride at the previous meeting MR. G. D. STEWART (secretary) reported that the Board's pharmaceutical officer had confirmed that that was an American product and that the Ministry of Health in London had been unable to give any information but doubted if it would regard the product as prescribable. DR. M. F. LESLIE said that Diaparene chloride was recommended for the treatment of napkin rash. It was mentioned in *Butterworth's Paediatrics* and *Martindale's Extra Pharmacopœia.* The product could be bought in chemists' shops in a Northern Ireland town. On the recommendation of the medical advisory committee the Board agreed that the product could be regarded as a drug if used for treatment.

The executive committee considered a request from a firm of chemists to withdraw from the Board's pharmaceutical list. The chemists stated that they were not doing enough business to pay a qualified chemist. THE SECRETARY pointed out that on February 17 the firm failed to carry out their rota duty. The committee acceded to the request and decided that no action should be taken on the failure to do rota duty.

The Board approved interim payments to chemists of £141,776.

LOCAL DINNERS AND DANCES

LONDON

Chemists' Golfing Society

MR. W. M. Ballantyne ("Bally") presided at the annual dinner and dance of the London Chemists' Golfing Society in London on March 31, when the toast of the Society was proposed by Mr. Stanley Gooding, M.D., J.P. DR. GOODING, after referring to the growth of the Society from small beginnings in 1909, said he had, strangely, first met the president not through golf or through pharmacy but as a shrewd and successful beekeeper, and he was sure that the success of the Society was in large measure due to Mr. Ballantyne's enthusiasm and drive as its secretary for sixteen or more years. The Society's captain (DR. W. E. SWANSTON) responded to the toast, and proposed an additional toast to the president. During the evening the season's awards were presented, as follows:—

Apollinaris prize: E. G. Nice; *Burgoyne cup* and *Hepburn shield:* B. F. Tisdall; *Butler & Crispe prize:* J. A. Evans; *Captain's prize* and *Jubilee vase:* E. G. Smith; *Captain's prize, division 2:* H. Monkman; *Vice-captain's* and *Arthur H. Cox prizes:* J. G. Catto; *D. & W. Gibbs prize:* W. S. Hutcheon; *Harker Stagg prize* and *President's prize and putter:* A. H. Newcombe; *Kerfoot trophy:* L. J. Morson; *Leichner cup* and *McClure, Young prize:* G. H. Hankinson; *Morny prize:* R. L. Taylor; *Professor Flint cup:* W. E. Swanston; *R. J. Reuter prize:* E. S. Hole; *Sanger cup:* G. T. Morson; *Society prize:* A. S. Jerwood; *Yardley cup:* E. D. S. Offord. Four trophies had to be held for presentation later. They were the *Aspro rose bowl* (H. R. Dawson); *British and Colonial cup* (T. W. Griffith); *Mentholatum prize* (C. H. Maile); and *Thomson cup* (T. J. Johnson).

THAMES VALLEY

Two Hundred Guests

NEARLY two hundred guests attended the dinner and dance of the Thames Valley Pharmacists' Association held at Hampton Court recently. Mr. Harold Moss (president of the Association) took the chair, and the principal guest was Dr. Frank Hartley. In the course of the evening over £12 was raised for the Benevolent Fund of the Pharmaceutical Society.

PHARMACIES OF BRITAIN—35



THE CLAPHAM ROAD, LONDON, PHARMACY OF E. T. HUGHES

Originally built during the Napoleonic period, the pharmacy of E. T. Hughes at 26 Clapham Road, near the Oval in South London, is an excellent example of how to install a modern and more efficient shopfront without spoiling the character of the premises. In designing the new windows, care was taken to preserve good proportion, and the central entrance was retained. The side doorway, a fine early nineteenth-century example, was left untouched.

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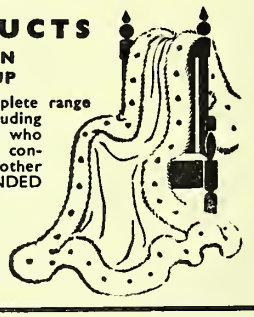
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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Misuse of the Statutory Committee

ETHICS in any profession are relative. They are a matter of advance—often of unequal or erratic advance—from the comparatively primitive standards of yesterday to the seemingly unattainable standards of tomorrow.

So much is recognised by the Council of the Pharmaceutical Society, one of whose functions is to take responsibility for the Statement on Matters of Professional Conduct; by the Statutory Committee, whose prime function is to apply the Statement and if necessary interpret it; and by the members of the Society, whose corporate voice determines what matters shall be the subject of professional discipline.

In a case recently heard by the Statutory Committee (p. 470) it appears to us that the delicate balance of function between the Council, the Statutory Committee, and the membership of the Society has been roughly and clumsily wrenched out of true. A member has been unreasonably called before the Statutory Committee, and the fact that the Committee has not, in the event, penalised him is insufficient compensation for the anxiety, stigma—even ignominy—to which the proceedings have exposed him.

The facts are that members of the Society decided after due discussion that the advertising of professional services was not in consonance with current standards of professional etiquette. That was a commendable ethic whose ratification did credit to the membership, particularly when it has so recently been respectable to describe oneself as "*the* chemist" or to use a form of words that might be held to imply, without actually claiming, that the advertiser was professionally superior to his colleagues.

But between the principle and the practice there was a gap which it was the function of somebody to fill. In legislation, an Act of Parliament establishes the principle of what is often an advance in citizenship, and commonly the Minister or Department concerned is empowered to make regulations to give effect to its detailed implementation. The form of any regulation or enactment is open to unforeseen differences of interpretation as between different citizens, or as between citizens and the authorities. When that happens it is for one of the parties to put the matter to the test by taking it to court for a judicial decision.

In pharmacy the body corresponding to the court of law is the Statutory Committee. Like the court of law, the Statutory Committee is not concerned with whether a clause has been wisely enacted, or with what its framers intended, but only with what it actually says. The executive body responsible for clothing with essential detail the bare principle of ethical advances in pharmacy is the Council of the Pharmaceutical Society.

In the case referred to an essential step in the process had been leapfrogged. No definition had been drawn up and issued by the Council of the ways in which the principle the Society's members had carried was to be put into effect. Advertising was to be outlawed, but what constituted advertising? Was it a matter of the words used or of the size of the letters in which the words were displayed? Did it make any difference whether the words appeared in 2-in. letters in a shop window or in 12-in. letters on the outside of premises? Would a form of words that might get by if discreetly displayed on one's own premises be acceptable if prominently featured on a hoarding, or on the side of the bus? Those and a host of similar questions were matters on which, before any disciplinary action was taken, members were entitled to some guidance.

Did the Council give any such lead? Did it say to members: "In a window of a member's own premises the limit of size of letters for, say, the words 'National Health Service dispensing' should be 3 or 6 in.; on a facia, 6 or 12 in.; and elsewhere they should not be used at all"? It did nothing of the sort. Instead, the Council came to hear, through a report of one of its inspectors, that certain signs were being used by a corporate body. The Council formed an opinion that they were not in accordance with the principle that members had adopted, and straightway referred the matter to the Statutory Committee. That body, called upon to intepret the general principle instead of, as it should have been, the meaning and effect of a detailed embodiment of the principle, did its level best to be helpful. Not surprisingly it failed to reach a decision that can appear satisfactory to other members earnestly seeking to know whether or not they are offending against the no-advertising rule. They may be continuing practices that have been, perhaps, widespread and accepted for years past. They may think, as the Statutory Committee appeared to think, that circumstances alter cases, and that size of lettering may bear some relationship to distance from the reader. What may be blatant and offensive on an isolated pharmacy in a residential neighbourhood may seem but modest informativeness in the competitive atmosphere of an industrial shopping centre. They may think, too, that the cost of abolishing an established signboard or facia ought to influence the time allowed for substituting the more discreet version called for today. They have every reason to expect that warnings of disciplinary action shall be based on well-defined standards that they can study and apply, and not on a vague idealism that varies from person to person and even, perhaps, according to mood.

The situation is far too unsatisfactory to be left where it is. Even the Statutory Committee has floundered in trying to decide what is acceptable and what not. It does not object, for example, to "reliable" but draws the line at "*the* reliable." We have sympathy with what we think was in the Committee's mind in making the distinction, but surely if "the reliable chemists" implies that no other chemists were reliable, or that some others were not, "reliable chemists" carries equally the implication that chemists exist somewhere who, though registered, cannot be relied upon.

Before any more such cases are referred to the Statutory Committee the Council of the Society should shoulder its undoubted responsibility. Accepting the principle that pharmacists may not advertise their professional services, it should indicate what that shall be taken to mean in detail and in practice. Never in any circumstances should the Statutory Committee be used, or attempted to be used, as a lever to force ethical standards beyond the limit at which they have been for the time being set by the consensus of opinion within the profession. Even, too, when a detailed memorandum on the subject has been issued, there should be no undue haste to enforce action upon it. Reasonable time should be allowed for changes to be made where heavy expense is involved or where plans to reconstruct premises would automatically solve the problem in the course of reasonable time.

Overseas Trade in March

UNITED KINGDOM exports in March, with twenty-seven working days, amounted to £260·3 millions, bringing the average for the first quarter to £247·3 millions a month, or 10 per cent. more than in the corresponding period of 1954. Earlier in the quarter the figures were still significantly affected by the after-effects of the October 1954 dock strike, though that effect diminished as the quarter progressed. The expansion of imports that became apparent in the second half of 1954 was carried much further in the first quarter of 1955. The average for the three months was £335·1 millions, the figure for March being £365·4 millions. Re-exports, at £12·6 millions, were also high in March, and the first quarter's average was £10·6 millions a month. The excess of imports, valued c.i.f., over exports and re-exports, valued f.o.b., was £92·4 millions in March and £77·1 millions a month in the first quarter, against £40 millions a month in the corresponding period of 1954.

EXPORTS	VALUE
	£
Drugs, medicines, medicinal preparations (total)	3,043,051
Vitamins	246,874
Penicillin salts	148,562
Penicillin injections	65,527
Penicillin tablets, ointments, etc.	50,622
Antibiotics other than penicillin	424,098
Quinine and its salts	12,917
Alkaloids, excluding quinine	50,358
Aspirin	98,642
Antihistamines	50,841
Antipaludics	72,798
Barbiturates	61,431
Liver extracts	19,359
Ointments and liniments	107,726
Insulin	52,335
Sulphonamides	140,116
Proprietary medicines	765,182
Unclassified medicines	640,880
Glycerin	14,346
Acetone	22,941
Citric acid	34,030
Salicylates	10,624
Perfumery and toilet preparations	
Lipstick, face powder, etc.	292,405
Dentifrice	151,143
Toilet soap	216,368
IMPORTS	
Borax	102,678
Iodine	12,338
Menthol	40,259
Vitamins	153,964
Antibiotics	88,716
Proprietary medicines	31,736
Unclassified medicines	313,514
Essential oils (excluding turpentine)	
Bergamot	13,486
Clove	31,701
Lavender	13,670
Lemon	141,034
Orange	28,560
Peppermint	96,269
Unclassified	363,283

Export prices have changed little in the past year, and the change in value in the first quarter compared with a year previously reflects closely the estimated change in volume. On the other hand there has been a marked rise in prices of imports, particularly in the past six months. From comparisons of the first quarters of 1954 and 1955 it is estimated that about one-quarter of the increased value of imports was accounted for by higher prices. There are, however, signs that the terms of trade are returning in favour of the United Kingdom, since the index of import prices fell back to 104 (average for 1954=100) in March, after being 105 in February.

Drugs, medicines and medicinal preparations exported during March were valued at £3,043,051, bringing the total for the first quarter to £9,114,373 (against £7,913,582 in the same period of 1954). Australia and India were the principal buyers, their purchase during March being valued at £312,452 and £310,916, respectively. Whilst exports of vitamins were worth £246,874, imports cost £153,964. Imports of alkaloids are shown to have been rising rapidly, and that must cause concern to domestic manufacturers. In the first three months of the present year the values were £503,598, against £114,035 and £57,487 in the corresponding periods of 1954 and 1953 respectively. Imports of the newer antibiotics have fallen compared with 1954, reflecting increased domestic production. Penicillin exports continue to decline, but the other antibiotics show a steady improvement.

A list of those medicines for which individual statistics are prepared is given in the accompanying table. Most show a rise over the February values although they have not attained the levels reached in January.

ECHOES OF THE PAST

A CALL FOR MEDICAL HELP

From the *Life of Samuel Johnson*, LL.D., by James Boswell, 1791*

To the Reverend Dr. John Taylor

DEAR SIR,—It has pleased GOD, by a paralytick stroke in the night, to deprive me of speech. I am very desirous of Dr. Heberden's assistance, as I think my case is not past remedy. Let me see you as soon as it is possible. Bring Dr. Heberden with you, if you can; but come yourself at all events. I am glad you are so well, when I am so dreadfully attacked. I think that by a speedy application of stimulants much may be done. I question if a vomit, vigorous and rough, would not rouse the organs of speech to action. As it is too early to send, I will try to recollect what I can, that can be suspected to have brought on this dreadful distress. I have been accustomed to bleed frequently for an asthmatick complaint; but have forborne for some time by Dr. Pepys's persuasion, who perceived my legs beginning to swell. I sometimes alleviate a painful, or more properly oppressive, constriction of my chest, by opiates; and have lately taken opium frequently, but the last, or two last times, in smaller quantities. My largest dose is three grains, and last night I took but two. You will suggest these things (and they are all that I can call to mind) to Dr. Heberden.—I am, &c., SAM. JOHNSON.

*(Everyman's Library, J. M. Dent & Sons, Ltd.).

MAN-POWER, TRAINING AND EDUCATION

4. RECRUITMENT TO THE PROFESSION

By Dominie

ACTIVE measures should be taken to bring the attractions and prospects in the profession to boys and girls approaching school-leaving age. That result could be effected by liaison between local branches of the Society and directors of education or headmasters. Talks, preferably accompanied by demonstrations of pharmaceutical apparatus and operations, could be given by pharmacists or pharmacy teachers. Whoever undertook the work should be well briefed on both practical and academic sides, and should have the ability to "put his subject across." The possibilities of indirect propaganda by newspaper articles on "The Career of Pharmacy" should not be overlooked. Editors of many provincial papers are willing to publish interesting articles of that type especially if submitted at an appropriate time, such as school-leaving, when they may be running a number of career features. The Society's booklet "Notes on Pharmacy as a Career" is authoritative and informative but lacks the sparkle and "sales appeal" of the multiples' illustrated brochures.

Apprenticeship and Training

The attitude of most private pharmacists towards apprenticeship is the answer to most of their complaints about shortage of qualified assistants. It also accounts for the inability of many newly qualifieds to undertake the full duties and responsibilities of superintendents and managers. The number of pharmacists who accept apprentices has shown a steady decline, since the middle thirties, and for several reasons. The idea of inspection and approval is repugnant to many pharmacists. Instructions on how to equip his premises and conduct his business are resented as an unnecessary violation of the rights of the individual. The pharmacist may claim—possibly justifiably—that the value of an apprentice's service is a poor return for the expenditure of time, effort and material to which compliance with the Rules for Training would commit him. He may, as a business man, be convinced that it is more profitable to instruct a young lady shop assistant in weights and measures and a few of the rudimentary operations that constitute the greater part of the dispensing done in his pharmacy. He would then have an unqualified "dispenser" who would accept lower wages and would probably stay longer with him than would an apprentice. If the annual balance sheet is taken as the yardstick that opinion has something to commend it. But it will not, at a later date, ensure the availability of a locum or manager. If the policy were continued generally amongst private pharmacists the dearth of qualified assistants without multiple commitments or contracts could well depreciate the saleable value of their businesses to a valuation based on what the multiples were prepared to pay. Of course, there are pharmacists who are prepared to take apprentices and some of them give very good training. One of the retail representatives on the subcommittee (Mr. C. W. Macfarlane, Dundee) is an excellent example of the conscientious and painstaking apprentice-master.

If the need for an increase in the number of private apprentices be conceded, the question arises: *Before* or *after* the college course. Most educationalists tend to the view that the academic course should begin immediately after school. They believe that apprenticeship before entering college is likely to create a break in continuity of habits of study and concentration. It is significant that that opinion is more frequently held by teachers of the "ancillary" subjects of chemistry, physiology and pharmacognosy than by those who are concerned with the "basic" subjects of pharmaceutics and forensic pharmacy. The latter find that the apprentice has shed his schoolboy irresponsibility and knows something about the fundamentals of his craft. The employer usually finds a straight-from-school apprentice eager to learn not only purely pharmaceutical work, but all the aspects of conducting a business—including the menial tasks that a post-graduate trainee of twenty-two or twenty-three might view with distaste if not actual disdain. The wages of an apprentice are much lower than those of a trainee.

On the contra side, the apprentice is faced with a year's postponement of the time when a qualified's salary can be earned. To a young man with the obligation of two years' National Service that is a weighty consideration. Another important factor in the student's decision when he is to do his practical training, and on his choice of a Ph.C. or a B.Pharm. course for enrolment, is the matter of maintenance grants. That is a subject about which many pharmacists, including teachers, are ignorant or have only vague knowledge. During attendance at college most students are eligible for one of two types of grants: (1) A Higher Education Bursary for a non-degree course (e.g., Ph.C.) of upwards of £80 per annum for students living at home and £120 per annum for those living away from home; and (2) a Major University Award of upwards of £165 per annum for a degree course (*not* Ph.C.) for students at home and £210 for those away from home. College and examination fees are paid in both cases. Those amounts are maxima recommended by the Ministry of Education but they may be—and are—modified by local authorities. In neither case are students precluded from augmenting their income by vacational employment. A student who proceeds direct from school to college may have less difficulty in obtaining a grant than one who has first been in employment as an apprentice.

Post-graduate training seems to be the present tendency. Many schools of pharmacy recommend it. The multiples, co-operative societies and many hospitals readily accept trainees and pay them good wages. Many private pharmacists, however, are disinclined to employ them, feeling that lack of practical experience does not justify the scales paid by the multiples and hospitals. (There may also be an aversion to having an employee with more modern academic knowledge than their own.)

Today's Need

The most urgent need is an increased intake of apprentices and trainees into private retail pharmacies. The private apprentice is entitled to expect facilities for training and study comparable with those enjoyed by his multiple-employed colleague, but the individual apprentice-master should not be called upon to organise study courses in pharmaceutics, forensic pharmacy and pharmacognosy and prepare schedules of practical work on the lines of those drawn up at the headquarters of the multiples. Such courses should, however, be available. It is debatable whether the construction of the courses should be under the aegis of the Pharmaceutical Society or of some body, such as the National Pharmaceutical Union, representative of private proprietor pharmacists. It could be argued

that, as the companies are prepared to meet the cost of their own training schemes, the Society's revenues, derived in part from the companies' premises registration fees, should not be diverted to finance the obligations of the private retailer. If that were the accepted view, the N.P.U. could be asked to undertake the planning of training schemes. The organisation of such schemes and the compilation of suitable curricula would almost inevitably involve consultation between the N.P.U. and teachers in the approved colleges. That liaison might well have beneficial consequences to both parties. Expense incurred in initiating such a service need not be high, and could be recouped by a fee for participation. The literature and the schedules could be used by the pharmacist for a succession of apprentices. Use of the service should be voluntary and in no way mandatory on the apprentice-master.

Possible alternatives to the existing two-year apprenticeship or one-year post-graduate training have been suggested. Few of them attempt to reconcile the requirements of academic instruction with the need for practical experience. Consideration could be given to the possibilities of a "sandwich" system of combined apprenticeship and college course on similar lines to a system operated successfully for many years in engineering departments of universities and technical colleges. In that system the student attends college during the academic year and serves a shortened apprenticeship in a works or engineering shop during the vacations. Applied to pharmacy, such a scheme of discontinuous training, carried over two or three three-month vacations with a finishing three- or six-month post-graduate training, would have the advantage of maintaining current contact between the practical and academic sides of training. And, as most students want to undertake paid work during the long vacation—indeed the basis of many of the maintenance grants is the assumption that the student will augment his income by such employment—surely it is desirable that the work should be in his chosen profession.

HOSPITAL PHARMACY FORUM

THE APOTHECARY TRADITION

AN announcement in the Personalities column last week is of more than passing interest in that it re-establishes a link in the traditions of hospital pharmacy which is often forgotten. We refer to the announcement that Mr. T. D. Whittet has been admitted to the yeomanry of the Society of Apothecaries. It is probably unique in the history of the Pharmaceutical Society that one of its members not holding a medical qualification should be given such an honour, and we heartily congratulate Mr. Whittet on his distinction. It is of particular interest that it should be a practising hospital pharmacist who should be so honoured, for the tradition of the apothecary is one to which the hospital pharmacist succeeds more directly than his colleagues in other branches.

Though many of the first generation of members of the Pharmaceutical Society were also apothecaries (the most notable of them all being William Allen), the chemists and druggists are mainly in the tradition of the dispensing chemists set up in opposition to the apothecaries who, in the eighteenth century, became general practitioners of medicine rather than of pharmacy.

In the hospitals, the apothecaries retained to a much greater extent the rôle of the pharmacist, and, in the great voluntary hospitals that made the hospital tradition in this country, apothecaries were in charge of the pharmacy until late in the nineteenth century. Only as recently as the 1880's and '90's do we find the apothecary replaced by a pharmacist. In the minute book of one famous hospital it is recorded that the person in charge of the dispensary "shall be a member of the Pharmaceutical Society or hold the Licence of the Society of Apothecaries" and the last apothecary was replaced by one of the Pharmaceutical Society's examiners.

Historic Reason for Aloofness

The turn of history that gave rise to the Pharmaceutical Society occurred in a period of great commercial enterprise and fierce competition. The ethical standards, both in medicine and pharmacy, were not what they are today. It is not surprising, therefore, that the Society of Apothecaries and the Pharmaceutical Society should view one another with a degree of suspicion and even, at times, of open hostility. Even though the paths of the apothecary and the pharmacist are now so clearly separated, there has remained an aloofness which is to the loss of both. To some extent the rivalry persisted owing to the fact that assistants in dispensing of the Society of Apothecaries, who, of course, are not apothecaries (sic), have competed for employment in hospitals with pharmacists and—especially in the pre-war period—were often employed by hospital authorities in ignorance of their appropriate rôle, as correctly described in their title.

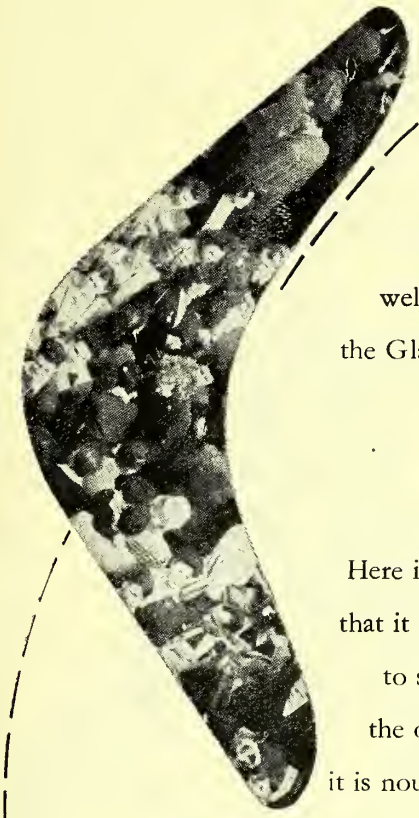
In most European countries there is no corresponding break in the apothecaries' tradition, and the present-day pharmacists are the modern inheritors of that tradition. As new techniques were developed in non-clinical medicine they were taken up by the apothecaries and we now find it to be the general rule that the pharmacist in hospital is also the biochemist, endocrinologist, haematologist or general director of biological studies. In this country emphasis was so strongly placed upon the dispensing of prescriptions that many other interests that might well have come within the purview of the pharmacist were allowed to slip away to other categories of worker.

Catching Up

During the present half-century we have begun to catch up. An improvement in academic standards is opening up new possibilities for the pharmacist to take his full place as a non-clinical medical scientist. In particular, it is our view that a degree in pharmacy with physiology and pharmacology as special studies is a most suitable background for chemical pathology and biochemistry workers. There is an increasing demand for biochemists in the Regional and Group laboratories under the National Health Service, and we feel that pharmacy graduates might well consider them as opportunities for interesting and worthwhile scientific careers.

It is doubtful whether in Britain it is practicable, much less desirable, that the pharmaceutical and biochemical departments should be combined, as they are in the French hospitals. That may be a convenience in small hospitals, but in such circumstances the scope in both sides of the work probably becomes too limited. We believe, however, that it would be advantageous, both to the Health Service and to the profession, that we should have in the hospital a pharmacist (biochemist) and a pharmacist (apothecary) working side by side in their complementary departments. The concept of pharmacy in Britain has too long been limited to dispensing medicines and to a few techniques of compounding bulk preparations. We should surely regard the whole field of knowledge of drugs, including toxicology in its chemical aspect, as coming into the scope of pharmacy. The profession should then produce specialists in all its branches. In these days we are near enough to fulfilling that ideal to make it no longer a pipe-dream but a practical ambition. It would be to the enrichment of the profession as a scientific body and would create a sense of cohesion and co-operation in the Health Services—to the great benefit of the patients.

Keeping them coming back



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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 27: Slightly more activity was noted in some sections of the CRUDE DRUGS market during the week, but the level of business was still below average for the time of year.

One of the items for which there was more call was SENEGA at around 24s. per lb. Direct shipment offers of IPECACUANHA were difficult to find, but there were second-hand sellers with a surplus in New York. A little business was also done in Portuguese ERGOT at 14s. 6d. per lb. on the spot and 13s., c.i.f., for shipment. BALSAMS were unchanged in price, collection of new-crop CANADA BALSAM is not expected to be commenced before June this year. MENTHOL was slightly easier both forward and for prompt delivery.

In PHARMACEUTICAL CHEMICALS there was an adjustment in the prices of AMIDOPYRIN and PHENAZONE. All grades of TANNIC ACID were reduced by sixpence per lb. so that the B.P. light is now 4s. 6d. per lb. in 1-cwt. lots.

A reduction of £5 per ton in the price of METHYL ETHYL KETONE from May 2 is announced by the manufacturers. The new 10-ton drum rate will be £136 per ton, delivered in the United Kingdom. 5 and 10 gall. lots are at the rate of £173 and £163 per ton respectively.

Madagascar CLOVE-LEAF OIL fell another threepence per lb. during the week. Other ESSENTIAL OILS which showed an easier trend included LEMONGRASS (threepence per lb. down) Chinese PEPPERMINT (one shilling) and CASSIA (sixpence).

Pharmaceutical Chemicals

AMIDOPYRIN. — Minimum price (5-cwt. lots) is 22s. 8½d. per lb. with usual differential for smaller lots.

ATROPINE.—Rates (per oz.) for 16-oz. lots are: ALKALOID, 30s. 9d.; SULPHATE, 25s. 9d.; METHYL BROMIDE, 31s. 9d.; METHYLNITRATE, 36s. 9d. The price for 1-oz. lots is 6d. per oz. more than the 16-oz. lots.

CALCIUM CHLORIDE. — B.P. crystals are 87s. per cwt. in 1-cwt. lots.

CHINIOFON.—B.P. 1948 is 67s. per kilo; 50-kilo lots, 62s. 6d. per kilo. The sodium derivative (B.P. 1953) is 99s. 4d. and 92s. 9d. for the same quantities.

CITRATES.—Rates (per lb.) are as follows:— POTASSIUM, 1-cwt. lots, 3s. 6½d.; 28-lb., 4s. 5d.; SODIUM, 1-cwt., 2s. 11½d.; 28-lb., 3s. 8½d. (powder of both salts twopence more). IRON AND AMMONIUM, 1-cwt. lots, granulated, 3s. 10½d.; 28-lb., 4s. 10d.

GLYCERIN. — Rates for pharmaceutically pure are as follows:—

	Under 1-cwt.	1-cwt. and under 5-cwt.	5-cwt. and under 1 ton	1 ton and under 5 ton	5 tons and under 25 tons
Minimum deliveries off contract of	—	1-cwt.	1-cwt.	5-cwt.	10-cwt.
Per cwt.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
TINS					
14-lb.	301 0	296 6	292 6	288 0	285 6
28-lb.	299 0	294 6	290 6	286 0	283 6
56-lb.	295 0	290 6	286 6	282 0	279 6
DRUMS					
1-cwt.	—	274 6	270 6	266 0	264 6
2½-cwt.	—	271 6	268 0	263 6	262 0
5-cwt.	—	—	267 6	263 0	261 6
10-cwt.	—	—	266 6	262 6	261 0

Refined pale straw industrial glycerin s.g. 1·260 is 5s. per cwt. less than the above.

HEXAMINE.—B.P. is 1s. 9¼d. per lb., for 1-ton lots, delivered.

HEXOBARBITONE. — B.P. in 1-cwt. lots is 55s. per lb.

HOMATROPINE.—Current rates (per oz.) for 16-oz. lots are now: ALKALOID, 56s. 9d.; HYDROBROMIDE, 39s. 3d.; HYDROCHLORIDE, 43s. 2d.; METHYLBROMIDE, 48s. 9d. 1-oz. rates are about 6d. per oz. higher in all cases.

HYDROCYANIC ACID. — Dilute B.P.C. is from 1s. 4d. to 1s. 11d. per lb., as to quantity; Scheele's is from 1s. 8d. to 2s. 3d.

HYOSCINE HYDROBROMIDE.—1-oz. lots are 74s. 3d.; 4-oz., 74s., and 16-oz., 73s. 9d., per oz.

ICHTHAMMOL.—B.P. is about 2s. per lb. in 1-cwt. lots.

IODIDE.—Resublimed is 17s. 1d. per lb. in 1-cwt. lots. Minimum delivered rate for CRUDE is 22s. 10d. per kilo.

IODOFORM.—Powder is 26s. 1d. per lb. in 1-cwt. lots and crystals, 28s. 9d.

MENAPHTHONE. — B.P. is £13 per kilo; ACETOMENAPHTHONE, B.P., £13; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.) £16 per kilo.

METHADONE HYDROCHLORIDE. — Price is from 2s. to 2s. 6d. per gm., as to quantity.

METHYLPHENOBARBITONE.—B.P. is 45s. per lb. (1-cwt. lots).

NICOTINAMIDE. — Prices per kilo are: 1 kilo, 113s.; 50 kilos, 105s.

NICOTINIC ACID.—Prices per kilo are 78s. for 1-kilo and 70s. for 50-kilo lots.

NIKETHAMIDE. — Prices per kilo are:— 1 kilo, 113s.; 50 kilos, 105s.

OXALIC ACID.—Manufacturers' rates for 1-ton lots are from £131 10s. to £135 10s. per ton as to packing, delivered.

PARAFFINS. — Prices to wholesaler distributors are as follows:—*Liquid:* HEAVY, B.P., £98 17s. 6d. per ton; LIGHT, B.P., £81; light TECHNICAL WHITE, £68 10s., all in 40-45 gall. returnable loaned drums, delivered U.K. *Soft:* WHITE, medium consistency, £92 15s. per ton; WHITE, soft consistency, £90 10s., and YELLOW, £70 10s., all B.P., in non-returnable drums delivered. *Hard:* Melting point 135/140° F. is £86 17s. 6d. and 145/150° F., £93 5s. per ton, in minimum 1-ton lots, ex works.

PARALDEHYDE. — In 40 gall. drum lots the stabilised is 153s. per cwt. and the technical, 126s.

PHENAZONE.—Minimum price for quantity is 13s. 10½d. per lb with usual differentials for smaller lots. 1-cwt. is now 14s. 1½d. per lb.

PHENOL. — Basic price for crystals in drums is 1s. 4d. per lb., and for LIQUID, B.P., 1s. 3¼d.

PHOSPHORIC ACID.—B.P. is 1s. 5½d. per lb. in 1-2 carboy lots. HYPOPHOSPHOROUS, B.P.C., in winchesters, is from 5s. 9d. to 6s. 10½d. per lb. as to quantity.

PHYSOSTIGMINE.—Scarce. Current rates per 1 doz. tubes of 1 gm. are: ALKALOID, 148s. 5d.; SALICYLATE, 124s. 3d.; SULPHATE, 134s. 6d.

PILOCARPINE. — In 100-oz. (or 2½ kilo) lots prices are: HYDROCHLORIDE, 42s. 6d. per oz. (1,428s. 6d. per kilo); NITRATE, 38s. per oz. (1,340s. per kilo).

PIPERAZINE. — Quotations for HYDRATE are from 59s. 6d. per kilo.

POTASH SULPHURATED.—B.P.C. lump is 2s. 3d. per lb. for 1-cwt. lots.

POTASSIUM BROMATE.—In 5-cwt. lots, 7s. per lb. In small quantities the prices range up to 8s. 9d. per lb.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P., is 1s. 6d. per lb.

POTASSIUM 8-HYDROXYQUINOLINE SULPHATE.—1-kilo is 47s. 1d. and 50-kilos, 44s., per kilo.

RIBOFLAVINE. — Price (per kilo) is £36 15s. for 1-kilo and £36 12s. 6d. for 10-kilo lots.

SALOL.—Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

SEMICARBAZIDE HYDROCHLORIDE.—Technical grade is 20s. per lb. for 1-cwt. lots.

SODIUM ACETATE. — B.P.C. powder in 1-cwt. lots is 1s. 10d. per lb.

SODIUM BROMATE.—1-cwt. lots are quoted at 10s. 9d. per lb.

SODIUM CHLORIDE. — Re-crystallised is 30s. per cwt.

SULPHACETAMIDE.—Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM DERIVATIVE is 30s.

SULPHAGUANADINE.—Manufacturers' rates for 1-cwt. lots are about 14s. 6d. per lb.

SULPHANILAMIDE.—Manufacturers' rates are from 6s. 3d. per lb.

TANNIC ACID.—All grades are reduced by 6d. per lb. The B.P. levis, ex ether is now 4s. 3d. per lb. for 5-cwt. lots and 4s. 6d. for 1-cwt.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 4s. per lb., duty paid.

AGAR. — *Kobé* No. 1 on the spot is unchanged at 16s. 9d. per lb., duty paid. Shipment, 14s. 3d., c.i.f., new-crop.

ALOES. — Prime Cape spot is 310s. per cwt., nominal. For shipment, 287s. 6d. c.i.f., is quoted for May-June. Curaçao, spot is around 400s.

ANTIMONY. — English 99·6 per cent. is £222 10s.; 99 per cent., £210 per ton.

ARECA NUTS. — Quotations are about 40s. per cwt. for Ceylon material on the spot. Shipment, 25s., c.i.f.

ASAFŒTIDA.—Persian block is from £10 to £14 per cwt., duty paid, as to quality.

BELLADONNA. — Root testing 0·42 per cent. is offered at 2s. per lb. and LEAVES testing 0·514 per cent. at 3s.

BUCHU.—New-crop rounds on the spot are 4s. 9d. per lb. with shipment at 3s. 9d., c.i.f.

CAMPHOR.—B.P. POWDER is 8s. per lb., duty paid. Afloat is offered at from 6s. 9d., c.i.f. TABLETS, ¼-oz. are 7s. 2d., in bond. Synthetic is 4s. 6d.

CASCARA SAGRADA.—American 1954 peel for shipment is 215s. per cwt., c.i.f., London; spot, 250s., duty paid.

CASSIA BARK. — Whole on the spot is about 90s. per cwt., in bond, and for forward delivery, 81s. 6d., c.i.f. Broken 75s., in bond, and 72s. 6d., c.i.f.

CHAMOMILE. — Belgian flowers are 5s. 3d. per lb. on the spot.

CHERRY BARK. — Thin natural is from 1s. 8d. per lb., duty paid, and rossed, 2s. 1d., on the spot.

CHILLIES. — Mombasa spot supplies offered at 380s. per cwt. and shipment, 360s. per cwt., c.i.f.

CINCHONA. — A parcel of Tanganyika druggists' bark (7·79 per cent. total alkaloids) is offered on the spot at 1s. 11d. per lb.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb.; OOOO, 5s. 5d.; OOO, 5s. 4d.; OO, 5s. 3d.; O, 5s. 2d.; firsts, 3s. 7d.; quillings, 2s. 3d.; chips, about 7d.

CLOVES.—Zanzibar on the spot are now quoted at 3s. 5d. per lb.; prompt shipment, 3s. 2d., c.i.f.

ERGOT. — Portuguese on the spot is 14s. 6d. per lb. (shipment, 13s., c.i.f.); Polish, 7s. 6d. (for shipment, 7s., c.i.f.); Hungarian, 12s. 6d.

GALANGAL.—Root is quoted at 70s. per cwt., c.i.f., for shipment, and spot, 85s. nominal.

GENTIAN.—French natural on the spot is from 122s. 6d. per cwt. Shipment is 115s., c.i.f.

GINGER.—African is quoted on the spot at 250s. per cwt., and shipment at 245s., c.i.f. Jamaican No. 3 is 340s. on the spot and 325s., c.i.f.

IPECACUANHA. — Quiet. Limited spot offers of Colombian at 65s. per lb., and Nicaraguan at 70s. For shipment, second-hand sellers of Matto Grosso and Colombian are quoting 64s. 6d. per lb., c.i.f.; Nicaraguan, 67s. 6d. and Costa Rican, 70s.

JALAP ROOT. — Vera Cruz, untested is offered at 3s. 9d. per lb. Brazilian, 12·4 per cent., is quoted at 1s. 10½d.

KOLA NUTS. — African halves continue short on the spot at about 6d. per lb. Jamaican are offered from 7d. to 7½d. as to holder.

MENTHOL.—Chinese is 58s. per lb., in bond and 58s., c.i.f. Brazilian is 57s., in bond.

ORANGE PEEL.—Bitter quarters are offered at from 1s. to 1s. 3d. per lb.

PAPAIN. — Spot value for East African grade one is from 17s. 6d. to 18s. per lb.

PEPPER. — Quiet. White Sarawak on spot is now offering at 3s. 11½d. per lb. with afloat parcels, 3s. 7d. to 3s. 8d., c.i.f. Black Sarawak is 2s. 9d., spot; afloat, 2s. 7d. to 2s. 8d., c.i.f. Black Malabar is unchanged on spot at 355s. per cwt. but shipment is easier at 332s. 6d. per cwt., c.i.f.

PIMENTO. — Spot is quoted at about 6s. 3d. per lb.

PODOPHYLLUM. — *Emodi* is quoted at 165s. per cwt., ex wharf. *Peltatum* is now 400s. on the spot.

PSYLLIUM.—Indian seeds are quoted at 1s. 1d. to 1s. 2d. per lb. on the spot.

QUASSIA. — Spot quotations for chips are at about 45s.; April–May shipment is about 32s. 6d. per cwt.

QUILLAIA. — Whole bark to arrive is offered at 220s. per cwt., landed terms.

RHUBARB. — Chinese is scarce on the spot. Quotations are from 7s. 3d. to 9s. 6d. per lb., duty paid, as to quality.

SEEDS. — (Per cwt.). ANISE.—Tunisian quiet with sellers quoting 277s. 6d., spot, duty paid. CARAWAY.—Dutch now offering at 166s., spot, duty paid. CELERY.—Indian unchanged at 145s., spot, no business reported at that figure. CORIANDER.—Quiet. No business reported spot in Morocco at 77s. 6d., duty paid (72s. 6d., in bond) or Rumanian, at 65s., duty paid. Shipment, no official news yet available regarding Morocco new-crop. CUMIN.—unchanged. Spot, Cyprian, 125s.; Morocco, 125s., duty paid. Shipment, Cyprian (April–May) quoted at 107s. 6d., c.i.f. No news yet available of Morocco new-crop. DILL.—Indian is again lower because of cheaper shipment offers. Sellers now quoting 70s. on spot. FENNEL.—Indian continues firm at 90s., spot. FENUGREEK. — Very small quantities of Morocco available on spot. 65s. quoted duty paid. Lebanese is quoted at 62s. 6d. duty paid. MUSTARD.—English, 67s. 6d. to 85s., according to quality.

SENEGA.—Spot offers are from 23s. 6d. to 24s. per lb., as to holder.

SERPENTARIA. — Root is offered at 37s. per lb. on the spot.

TURMERIC. — Rajapore is quoted at 200s. per cwt. on the spot. Madras finger (new-crop) afloat is quoted at 165s., c.i.f.; Shipment resellers quoting 135s., c.i.f., for March–April and 130s. for April–May. India's price is about 10s. more than the resellers.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

WAXES. — BEES'—Scarce on the spot. Dar-es-Salaam, spot cleared; shipment, 520s., c.i.f.; Sudanese, 545s., duty paid and 480s., c.i.f.; Abyssinian, spot 540s., duty paid; shipment, 480s., c.i.f., duty paid nominal and 490s., c.i.f. CANDELILLA.—Spot is 525s. per cwt. Forward, 570s., c.i.f. CARNAUBA.—Prime yellow on the spot is 830s. per cwt., shipment, 785s., c.i.f.; fatty grey is 515s. on the spot; shipment, 480s., c.i.f. MONTAN.—Reibeck, crude, 165s. per cwt., f.o.b. Continental port. SPERMACETI.—Case lots are about 2s. per lb.

WITCH HAZEL LEAVES.—Firm at 1s. 9d. per lb. on the spot.

Essential and Expressed Oils

ANGELICA SEED.—Price per lb. is now quoted at 260s.

ANISE.—Chinese is quoted at 19s. 6d. per lb. on the spot and 19s. 9d., c.i.f.

BAY.—West Indian is 12s. per lb. on the spot.

BERGAMOT. — Spot quotations are now 67s. 6d. per lb.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE.—Brazilian is 36s. per lb. on the spot and 35s., c.i.f.

CADE.—Spanish is about 2s. 3d. per lb. on the spot for 1-cwt. lots.

CAJUPUT. — Scarce. Spot supplies are 15s. 6d. per lb. for 1-cwt. lots.

CALAMUS. — Imported oils are offering from 70s. per lb.

CAMPHOR, WHITE. — Chinese is 2s. 9d. per lb., duty paid.

CASSIA. — Original drums are about 14s. 6d. per lb. on the spot.

CASTOR. — In minimum 2-ton lots the price of pharmaceutical quality for prompt delivery is £116 per ton, naked ex mill. For June delivery the price is £114.

CEDARWOOD. — Scarce. Small lots on offer at 10s. 6d. per lb.

CHAMOMILE.—English oil is offered at from 270s. to 288s. per lb.

CHENOPODIUM.—1-cwt. lots are 43s. per lb.

CINNAMON. — From quillings, English distilled is quoted at 30s. per oz. Other B.P. oils available down to 90s. per lb. Ceylon leaf, 13s. per lb., spot.

CITRONELLA. — Ceylon is 7s. 2d. per lb. on the spot, 7s. 1d., c.i.f. Formosan is offered at 12s. 4½d., all positions. Java is 12s. 6d., in bond, and 12s. 4½d., c.i.f.

CLOVE.—Madagascar leaf is 10s. 9d. per lb., duty paid and 8s. 3d., c.i.f., for shipment. Redistilled stem oil from 17s. 6d.; distilled bud oil, English, from 35s. to 40s.; imported, 18s. 6d. to 19s. 6d.

GINGERGRASS.—Offers are from 30s. to 31s. per lb.

JUNIPER BERRY. — Imported oils are offered from 16s. per lb., duty paid. English-distilled is now 155s.

LAVANDIN. — Spot is 18s. 3d. per lb. nominal.

LAVENDER. — Quiet. 38–40 per cent. linalol on the spot is 90s. per lb. 40–42 per cent., 100s., nominal.

LAVENDER SPIKE. — Spanish is from 14s. 6d. per lb.

LEMON. — B.P. (4 per cent. citral) on the spot is 35s. to 40s. per lb. Sicilian hand pressed, 45s. to 47s. 6d., spot; 44s., c.i.f. Californian, 28s. 6d. to 43s. 7½d., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Spot is easier at 12s. 9d. per lb. and shipment at 12s. 3d., c.i.f.

LIME. — Supplies of West Indian distilled are offered from 35s. per lb. on the spot.

OLIVE.—Spanish virgin and pharmaceutical oils (B.P.) are offered on the basis of £214 10s. per 1,000 kilos, f.o.b., Spanish ports for prompt shipment. Equivalent landed terms ex-wharf London/Liverpool: French virgin edible or B.P., £220 per 1,000 kilos, c. and f., prompt shipment. Spot is 21s. 6d. per gall.

ORANGE.—Quotations include: Florida, 4s. 6d.; Californian, 6s. 2d.; West African, 11s. 6d. to 14s. For shipment, Californian sweet, 6s., c.i.f., and cold-pressed, U.S.P., 9s. 3d., c.i.f. subject to licence.

OTTO OF ROSE.—Spot offers are in the region of 425s. per oz. for genuine Bulgarian and 180s. per oz. for Anatolian.

PALMAROSA.—East Indian is 60s. per lb. on the spot and 57s. 6d., c.i.f. for shipment.

PATCHOULI.—Penang is 58s. 6d., duty paid, and 52s. 6d., c.i.f.

PEPPERMINT. — *Arvensis* : Chinese is 40s. per lb. on the spot and c.i.f. Brazilian, 33s., spot, and 32s., c.i.f. (May–June). Italian "Mitcham" type oil is from 72s. 6d. to 80s., spot, and American 60s. to 65s.

ROSEMARY.—Spanish oil on the spot is from 5s. 3d. to 5s. 9d. per lb., duty paid, as to quality.

RUE.—Spot offers are from 14s. per lb.

SAGE. — Spanish is offered at from 9s. 3d. per lb. and Dalmatian at 50s., duty paid.

SANDALWOOD.—Mysore is 80s. per lb., East Indian, 77s. 6d.

SASSAFRAS. — Brazilian on the spot is 8s. per lb.

SPEARMINT. — Offers of U.S.P. quality vary between 33s. 6d. and 38s. per lb. on the spot. Dutch quoted at 32s. 6d., duty paid.

TANGERINE.—Good quality is scarce on the spot at 48s. per lb.

THYME.—B.P.C. is about 9s. 6d. per lb.

TITREE. — Small lots are offered at 13s. 6d. per lb.

VETIVERT.—Bourbon in original drums on the spot is 90s. per lb.

UNITED STATES REPORT

NEW YORK, APRIL 26: Imported CALCIUM LACTATE, U.S.P., dropped two cents to 30 cents per lb. Among CRUDE DRUGS, AGAR No. 1 Kobé, at $2·85 per lb. was down five cents; IPECACUANHA at $9·00 was down $1, GENTIAN at 15 cents was down two cents; TAMARINDS at 11 cents was down two cents; PSYLLIUM HUSKS at 32 cents was down two cents; and SENEGA at $3·50 was down 10 cents. The only gains for the week were registered by three ESSENTIAL OILS: GUAIAC WOOD, $1·65 per lb., was up 15 cents; GINGER, at $14·50 was up 50 cents; and PIMENTO LEAF, at $2·75 was up five cents. On the other hand, CEDARWOOD, at $1·10 was down 10 cents; rectified BIRCHTAR, at $2·00 was down 25 cents; CLOVE LEAF, at $1·30 was down 15 cents; CHENOPODIUM, at $4·35 was down 30 cents; and LEMONGRASS, at $2·20 was down 15 cents.

WORLD TRADE

Danish-Rumanian Trade Agreement.—A trade agreement between Denmark and Rumania which expired on March 31 has been renewed until the end of March 1956. In 1954, Denmark exported 321,000 crowns' worth of pharmaceutical products to Rumania.

Indian Export Licensing.—The Indian Joint Chief Controller of Exports in Bombay has announced that exports of salts of lead and zinc, which were recently brought under control, will be freely licensed to all permissible destinations other than Portuguese Possessions in India.

Finnish Import Licences.—The Bank of Finland has freed about 1,500 million marks in Western currencies for immediate imports. The allocation for chemicals is as follows: From Great Britain, £100,000; West Germany, D.M. 500,000; Holland, 300,000 guilders; the United States, $75,000.

Switzerland Eases Export Controls.—The Swiss Ministry of Economy has lifted export controls, on a number of items, effective April 9. Goods affected include: Potassium nitrate, ammonium nitrate, antibiotics, resins, yellow phosphorus, sulphuric and various other industrial acids.

Danish Chemicals for Argentina.—A five-year trade agreement between Denmark and Argentina provides for the shipment of Danish chemicals, fertilisers and drugs. For the first twelve months, each country will endeavour to supply the other with goods valued at U.S. $8,700,000.

Belgian Interest in Pakistan. — The Belgian Chemical Union is reported to have concluded an agreement with the Pakistan Development Corporation to act as consulting engineers in the building of two pharmaceutical factories, one in east and the other in west Pakistan. It is also reported that the firm has been appointed permanent consultant to the Corporation on the chemical fertiliser industry in Pakistan.

Reciprocal Trade Agreements Act.—The United States Senate Finance Committee has voted down by eight votes to seven an amendment to limit the extension of the Reciprocal Trade Agreements Act to two years instead of the three-year extension asked by President Eisenhower and to cut back his new tariff-cutting powers. The Democrats on the committee gave the President his victory in this first key test vote on the foreign trade issue.

Japanese Import Budget. — The Japanese Government has announced a new half-year import budget which would increase imports from sterling and other non-dollar areas, while restricting imports from the dollar area. The budget, for the period April-September this year, provides for total imports of 1,317 million dollars, including visible imports of 1,107 million dollars. A breakdown of the major commodity groups of visible imports provided for under the budget includes chemicals, $1,662,000; medicines and drugs, $3,154,000, and agricultural chemicals, $397,000.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," April 13

For common soap and toilet soap (3)
PAL MASTER, 734,979, by Rhodesian Industries Co. (Private), Ltd., Salisbury, Southern Rhodesia.

For detergents (not for use in industrial or manufacturing processes) (3)
FOAMSTER, B736,367, by Lister Equipment, Ltd., Manchester.

For non-medicated toilet preparations (3)
LUSTRE-NET, B737,130, by Colgate-Palmolive, Ltd., London, W.C.2. LUSTRON, B737,403, by Sales Affiliates, Ltd., Boreham Wood, Herts.

For essential oils (3)
AVOTENE, 738,681, by Chlorophyll & Derivatives, Ltd., London, E.C.4.

For cleaning preparations for the hands (3)
SWARFEGA Rapid Hand Cleanser, 739,071, by Deb Chemicals Proprietaries, Ltd., Belper, Derbys.

For pharmaceutical preparations and substances all for export but not including preparations in tablet form for the treatment of headaches (5)
CAPLET, B732,174, by Winthrop Products, Ltd., London, S.W.1.

For sensitised photographic films and chemical products used in photography and photo-engraving (1)
CHEMCO, 737,143, by Chemco Photoproducts Co., Inc., New York, U.S.A.

For cotton wool for pharmaceutical purposes (5)
PLEGS, 738,036, by Smith & Nephew, Ltd., Welwyn Garden City, Herts.

From the "Trade Marks Journal," April 20

For organic products for use in accelerating the formation of compost for agricultural and horticultural purposes (1)
FERTOSAN, 731,356, by Fertosan, Ltd., Wolverhampton, Staffs.

For all goods (1)
RUCHEMIE, 733,507, by Ruhr-Chemie, A.G., Oberhausen-Holten, Germany. RHODOTEX, 735,755, by Société des Usines Chimiques Rhone-Poulenc, Paris, France.

For adhesive pastes and powders for making such pastes all for use in paper-hanging (1)
VISCOPASTE, 735,070, by Starch Products, Ltd., Slough, Bucks.

For salt for use in industry, agriculture, horticulture, forestry, and for preserving foodstuffs (1)
DENDRITIC, 738,478, by Imperial Chemical Industries, Ltd., London, S.W.1.

For chemical products used in agriculture, horticulture and forestry (1)
GUESAREX, 738,534, by J. R. Geigy, A.G., Basle, Switzerland.

For common salt for use in installations for the treatment of water (1)
KENSALT, 738,718, by John Thompson-Kennicott, Ltd., Wolverhampton, Staffs.

For anti-freezing preparations for vehicle cooling systems (1)
FEMOL, 738,843, by Fletcher Miller, Ltd., Hyde, Ches.

For all goods (3)
BONAWELL, 718,247, by Hans Schwarzkopf, Hamburg-Altona, Germany. Device with the wording, COLUMBIA SOUTHERN, 726,233, by Columbia-Southern Chemical Corporation, Pennsylvania, U.S.A.

For soaps for use in relation to the skin (3)
BIOSKIN, 732,349, by Dr. Wurmbock, G.m.b.H., Munchen, Germany.

For non-medicated toilet preparations (3)
CONCERTO, 735,534, by Lentheric, Ltd., London, W.1. VIGDOR, B737,743, by Cosmetique Vigdor (Londres), Ltd., London, N.1. REPHAIR, 738,613, by Steiner Products, Ltd., London, W.1.

For liquid detergents (not for use in industrial or manufacturing processes) (3)
VYLEX, 737,539, by W. & F. Walker, Ltd., Kirby, nr. Liverpool.

For dentifrices (3)
LUCIDENT, 738,630, by H. Asher & Co., London, W.2.

For detergents (not for use in industrial and manufacturing processes) (3)
SUPRIL, 739,729, by Sipon Products, Ltd., London, W.1.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, May 2

BRITISH INDUSTRIES FAIR, Olympia, London, W.14, and Castle Bromwich, Birmingham. Open until May 13 (9.30 a.m. to 6 p.m.).

READING BRANCH, PHARMACEUTICAL SOCIETY, Board Room, Thorn Street, Reading, at 8 p.m. Annual meeting.

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, public library, Beckenham Road, Beckenham, at 8 p.m. Annual meeting.

LONDON SECTION, SOCIETY OF CHEMICAL INDUSTRY, Chemical Society's rooms, Burlington House, Piccadilly, London, W.1, at 6.30 p.m. Annual meeting.

Tuesday, May 3

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Oak Hall, Baptist Church, College Road, Harrow, at 8 p.m. Annual meeting. Mr. G. W. Horsley on "Colour Photography." Demonstration.

NORTH LONDON PHARMACEUTICAL ASSOCIATION and NORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Beale's restaurant, Holloway Road, London, N.7, at 7.45 p.m. Annual meeting, followed by Mr. Allen Aldington (a former president of the Photographic Dealers' Association) on "Colour Photography from the Dealer Angle."

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, SOUTH-EAST LONDON CHEMISTS' ASSOCIATION, and SOUTH-EAST LONDON BRANCH, NATIONAL PHARMACEUTICAL UNION, New Cross Inn, 323 New Cross Road, London, S.E.14, at 8 p.m. Annual meeting.

Wednesday, May 4

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Cleveland Scientific and Technical Institution, Corporation Road, Middlesbrough, at 7.30 p.m. Annual meeting. Election of representatives and consideration of agenda for Branch Representatives' meeting.

STUDENTS' UNION OF THE SCHOOL OF PHARMACY, LONDON UNIVERSITY, Londonderry House, Park Lane, London, W.1, 8 p.m. till midnight. Sessional ball. Dress optional. Ticket 7s. 6d. including buffet from D. O. Matthews (social secretary), 17 Bloomsbury Square, London, W.C.1.

Thursday, May 5

BOURNEMOUTH PHARMACEUTICAL ASSOCIATION, Grand Hotel, Bournemouth, at 7.30 p.m. Annual meeting.

MICROBIOLOGY GROUP, SOCIETY OF CHEMICAL INDUSTRY, 11 Chandos Street, Cavendish Square, London, W.1, at 6 p.m. Annual meeting, followed by Dr. H. G. Thornton, F.R.S., on "Recent Advances in Soil Microbiology."

Friday, May 6

EXETER BRANCH, PHARMACEUTICAL SOCIETY, Assembly Rooms, South Street, Exeter, at 7.30 p.m. Annual meeting.

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Y.W.C.A. lounge, 18 Slater Street, Liverpool, at 7.15 for 7.45 p.m. Annual meeting.

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, Town Hall, Lambeth, London, S.W.2, at 8 p.m. Annual meeting.

Advance Information

LONDON PHARMACY RAMBLERS are walking 12 miles via Barming and Wateringbury (Maidstone, Kent), on May 8.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *=Tax 25 per cent.; ‡=Tax 50 per cent.; †=Tax 75 per cent.

C. L. BENCARD, LTD. (purchase-tax application)

		I.R.P.	
Benazma*	8 fl. oz.	11 1	A
	20 fl. oz.	26 5	A
	80 fl. oz.	102 11	A

H. W. CARTER & CO., LTD.

Ribena	3 6	A
Quosh fruit squashes	3 0	A

WALTER CROWE, LTD. (distributors) (from May 1)

	Doz.		
Du Lundi Body Mist†	20 0	3 9	R
	36 0	6 9	R

CUSSONS, SONS & CO., LTD. (from June 1)

Imperial Leather talcum†	15 10	3 0	A
Lilac blossom talcum†	10 6	2 0	A
Apple blossom talcum†	15 10	3 0	A
Linden blossom talcum†	10 6	2 0	A
Imperial Leather			
solid brilliantine† tube	10 6	2 0	A
liquid brilliantine†	9 3	1 9	A
	13 2	2 6	A
solid brilliantine† tin	10 6	2 0	A
clear brilliantine†	9 3	1 9	A
	13 2	2 6	A
after-shave lotion†	10 6	2 0	A
	18 6	3 6	A
shaving stick*	14 6	2 0	A
refill*	8 11	1 3	A
Lilac blossom soap* 3	11 11	1 6	A
Chubby shaving stick*	25 0	3 6	A

D. & W. GIBBS (U.K.), LTD.

Coroshave* tube	15 3	2 0	A
Shavallo* jar	21 0	2 9	A
Pears baby powder*	13 3	1 9	A
S.R. toothpaste*	12 8	1 8	A
	19 0	2 6	A

GOYA, LTD. (from May 2)

Perfume			
handbag phial†	18 10	3 6	A
travel-size†	46 0	8 6	A
Perfumed cologne† 1 oz.	18 10	3 6	A
Perfumed cologne† 4 oz.	40 6	7 6	A
Bath dusting powder†	48 6	9 0	A
Bath salts†	29 9	5 6	A
Bath blossoms†	18 10	3 6	A
Lipstick†	29 9	5 6	A
Lipstick refill†	16 3	3 0	A
Beauty powder travel size†	16 3	3 0	A
Beauty base jar†	29 9	5 6	A
Liquid beauty†	29 9	5 6	A
Beauty cleansing†	29 9	5 6	A
Sleeping beauty†	29 9	5 6	A
Beauty tonic†	29 9	5 6	A
Rose lotion†	29 9	5 6	A
Antiseptic lotion*	38 0	5 6	A
Toilet soap* 3 oz.	12 9	1 8	A
Corvette shaving bowl*	38 0	5 6	A

HALL, FORSTER & CO., LTD. (from May 2)

	Doz.		
Iglodine antiseptic* 3 oz.	10 3	1 5	A
8 oz.	18 0	2 6	A
16 oz.	30 0	4 3	A
40 oz.	65 0	9 0	A
½ gall.	93 0	13 0	A
1 gall.	168 0	23 6	A
ointment* tin	12 0	1 8	A
jar	33 0	4 8	A
	54 0	7 9	A
	84 0	12 0	A
embrocation*	21 0	3 0	A
eye lotion*	18 0	2 6	A
salicylated*	21 0	3 0	A

INTERNATIONAL CHEMICAL CO., LTD. (from May 2)

Kolynos super-white tooth-paste*	12 8	1 8	A
	19 0	2 6	A

The price of Kolynos chlorophyll tooth-paste is unchanged.

MENLEY & JAMES, LTD. (to trade from April 9; to public from May 9)

		Doz.		
Eskacillin 200	2 fl. oz.	114 0	R	

THE CHAS. H. PHILLIPS CHEMICAL CO., LTD. (from April 25)

Milk of Magnesia*	13 8	1 10	A
	27 4	3 8	A
Milk of Magnesia tablets*			
12	6 3	10	A
30	11 4	1 6	A
75	22 8	3 0	A
150	37 10	5 0	A
Mil-Par antacid lubricant*	22 8	3 0	A
	37 10	5 0	A
California syrup of figs C.P.*	12 6	1 8	A
	24 9	3 4	A
California syrup of figs G.P.*	13 6	1 8	A
	26 11	3 4	A
Phillips' toothpaste*	12 5	1 8	A
	19 0	2 6	A
Danderine†	12 0	2 0	A
Phillips' magnesia texture cream†	7 1	1 3	A
	15 10	2 9	A
Phillips' magnesia cleansing cream†	7 1	1 3	A
	15 10	2 9	A

JOHN RICHARDSON & CO., LEICESTER, LTD.

Pedrol*	15 0	2 3	A

WILLIAM R. WARNER & CO., LTD. (from May 16)

Gelusil tablets* 50	33 6	4 6	A

WESTMINSTER LABORATORIES, LTD. (from April 7)

	Doz.		
Magtriz powder* 3 oz.	34 0	5 0	A

PHOTOGRAPHIC DEPARTMENT

ILFORD, LTD. (from May 1)

	Each		
Ilford Advocate camera, series 2‡	300 0	397 6	R
Ilford plastic developing dishes 3¼ x 4¼ in.		3 3	R
3½ x 5½ in.		3 6	R
4¾ x 6½ in.		4 6	R
6½ x 8½ in.		7 0	R
10 x 12 in.		13 6	R
Ilford Microphen developer 600 c.c.		3 6	R
2·5 litres		6 0	R
13·5 litres		25 0	R
22·5 litres		37 6	R
replenisher 2·5 litres		7 6	R

P.A.T.A. PROTECTED LIST

(Prices notified this week by the Proprietary Articles Trade Association.)

AYRTON, SAUNDERS & CO., LTD. (new sizes)

	Doz.		
Tabasan* 50	20 9	3 3	
100	37 0	5 9	

MACLEANS, LTD. (from April 21)

Macleans tooth-paste*	12 8	1 8	A
	19 0	2 6	A
Fynnon salt*	19 6	2 6	A

DELETION FROM PROTECTED LIST

H. R. NAPP, LTD.
Raminal

NEW PRODUCTS AND PACKS

ALLEN & HANBURYS, LTD.

	Each		
Bidormal tablets 25	4 0	6 0	
500	64 0	95 0	

J. & E. ATKINSON, LTD.

Skinfare face cream†	17 6	

BENGUE & CO., LTD.

Dipasic tablets 100	14 0		
500	58 9		
1,000	111 9		

BIOMETICA, LTD.

	Doz.		
Nymor	13 4	1 9	

CAVALCADE BEAUTY PREPARATIONS, LTD.

Hanri egg shampoo* bottle	26 0	3 9	

CUSSONS, SONS & CO., LTD.

Disneyland baby powder	1 9	

DUNCAN, FLOCKHART & CO., LTD.

Furadantin tablets 25	31 3	

GLAXO LABORATORIES, LTD.

Styrion tablets 40	4 3	

MENLEY & JAMES, LTD.

	Each		
Daprisal tablets 50	58 6		
500	44 0		

MORNY, LTD. (from May 1)

Presentation perfumes:—			
flaskette†	4 0		
medium flask†	12 6		
large flask†	31 6		

ORGANON LABORATORIES, LTD. (from May 1)

		Each		
Quiescin (reserpine-Organon) tablets	0·1 mgm. 25	1 10	2 9	
	100	6 0	9 0	
	500	28 4	42 6	
	0·25 mgm. 25	4 0	6 0	
	100	14 8	22 0	
	500	71 0	106 6	
	1 mgm. 25	14 4	21 6	
	100	56 0	84 0	
	500	274 8	412 0	

RIKER LABORATORIES, LTD.

Calcium disodium Versenate tablets 100	16 0	24 0	
500	72 0	108 0	

ROCHE PRODUCTS, LTD.

Arfonad 3	55 0	
25	396 0	

L. ROSE & CO., LTD.

Rose's sugar-free lime marmalade	3 9	

SHARP & DOHME, LTD.

Cremomycin 8 fl. oz.	42 0	

SMITH & NEPHEW, LTD.

Elastoplast "carry pak"	6	

SPONCEL, LTD.

Spontex sponge big bath size*	5 10	

VITAMINS, LTD. (from May 2)

		Price to Hospital Each	
Parentrovite ampoules			
I.V. 250	12 pairs	30 0	
I.V. 100	12 pairs	22 6	
I.M. 250	12 pairs	30 0	
I.M. 100	24 pairs	45 0	

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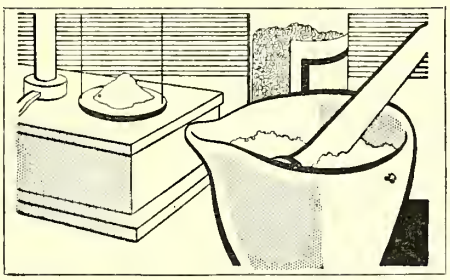
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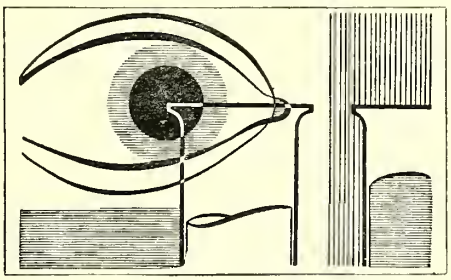
Talking of Tablets

Many and varied are the technical processes which go to make a good tablet.
B.D.H. workers combine art, craftsmanship and considerable 'know-how'. They produce tablets of a quality which justifies the choice—preferably B.D.H.

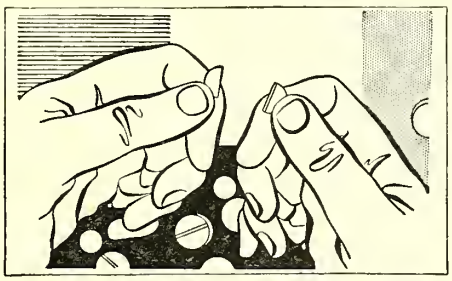
FORMULATION
— perfected as the result of experience, experiment and technical skill to produce the tablet to meet all tests.



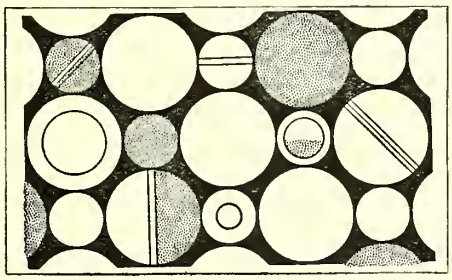
ANALYTICAL CONTROL
— at every stage from raw material to finished product.



PHYSICAL CHARACTERISTICS
— hardness sufficient to withstand normal handling. Carefully calculated density to ensure easy disintegration not only when made, but after storage. Crisp, clean fracture particularly of scored tablets.

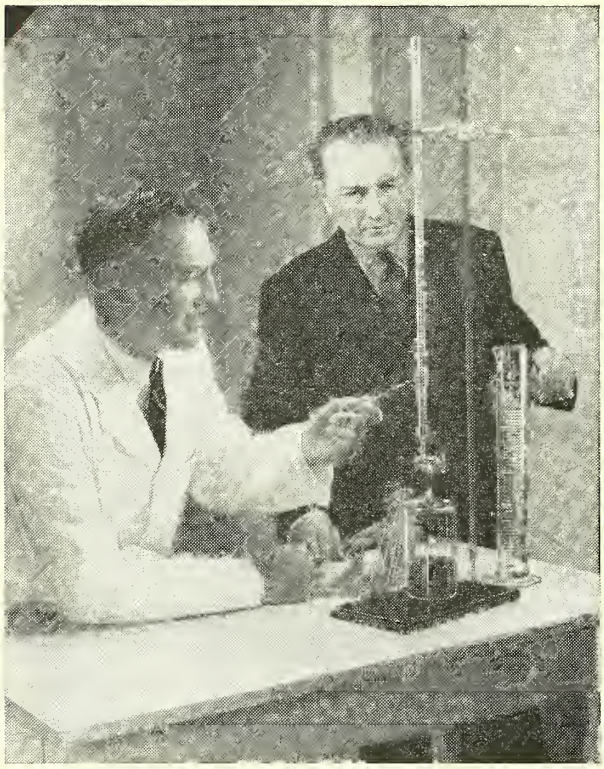


FINISH
— smooth polished surfaces with clean edges and freedom from bits and extraneous dust. Coatings even and unblemished. Colours clean, clear and uniform from batch to batch.



THE BRITISH DRUG HOUSES LTD · LONDON · N.I

TAB/T/541



"Yes, I've checked these graduations most carefully..."

"... I've never yet found the slightest inaccuracy in a 'PYREX' Glass graduated Burette, or in fact in any 'PYREX' graduated vessel."

"Our work is rather special, so we always use Works Class A standard, but I am sure we'd be quite safe in using Works Class B at the lower cost. Of course we keep NPL Class A for all our research work."

"What about breakages?"

"Very few, Sir! You see, 'PYREX' can be made so much more sturdy and robust because of its low coefficient of expansion (actually 3.2×10^{-6}) —and we never have breakage through heat, nor any sign of chemical attack."

'PYREX' brand laboratory glassware is made only by James A. Jobling & Co. Ltd., Sunderland

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REGD TRADE MARK

JAMES A JOBLING & CO LTD
Wear Glass Works Sunderland

THE ONLY MAKERS OF 'PYREX' BRAND GLASS IN THE UNITED KINGDOM

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for fine chemicals especially:

ASPIRIN B.P. "FRE-FLO"
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SODIUM SALICYLATE B.P.
SALOL B.P.C.
VANILLIN 100%

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WIDOW WELCH'S FEMALE PILLS
Over 10d BOX PROFIT by ordering 1 dozen 4/1 size. Bonus given on every dozen (13) It pays to push this size.
Established 1787 in the Reign of King George III
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Solazzi Liquorice
A modern medicament in digestive disorders and gastric ulcers
MADE FROM PURE CALABRIAN LIQUORICE ROOT

fine chemicals and drugs

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Diastase, Pancreatin, Papain,
Papaverine, Pepsin, Phenazone,
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essential oils

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Peppermint, etc.

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Perfume Concentrates

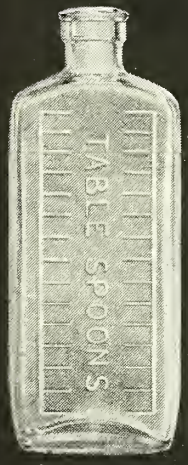
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CHAS. ZIMMERMANN & Co. Ltd.

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TELEPHONE: PERIVALE 9121 (4 lines) Telegrams: Acidolan, Greenford

White Glass Bottles
FOR ALL PURPOSES



Medical Flats

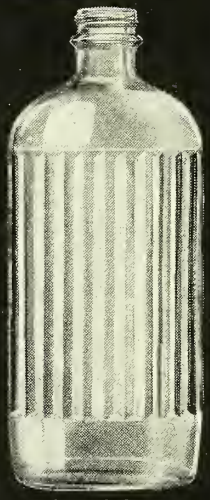

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PROMPT DELIVERY FROM STOCK

WHOLESALE ONLY

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HIGH HOLBORN HOUSE
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GREGG & Co (Knottingley) Ltd.
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"ZORBO" (REG D)
Superfine Cotton Wool

This is a very old Trade Mark of ours and a product for many years in use by the Medical Profession and all those requiring a First Class Superfine Cotton Wool. Now packed in attractive white Cartons in various sizes and would be readily acceptable to your more exacting customers.

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Of course this is just one of our Manufactures. We also supply in Cartons all BPC Dressings in Cotton Wool, Lint and Gauze.

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Our Products are obtainable from Wholesalers, but should you have difficulty a line to us will have prompt attention.

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSINGS MANUFACTURERS
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How do they ask for a vacuum flask?



By Appointment to the late King George VI

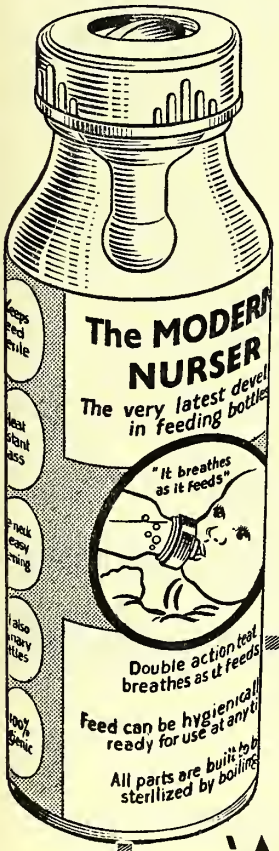
THERMOS
REGISTERED TRADE MARK

every time!

Yes, customers young and old ask for Thermos when they want a vacuum flask (or a jug or a jar) . . . because Thermos is the original vacuum flask, the most efficient, and—in the long run—the cheapest. *All Thermos flask models now have the new easy-pouring lip.*

There's always a sale for THERMOS

The latest development in bottle feeding



THE very latest development in feeding bottles, the Cannon 'Modern' Nurser "breathes as it feeds". Fitted with the famous 'Modern' Teat, both the bottle cap and teat screw down into place allowing air to enter through the specially designed flange.

The Nurser is safe and sterile — always ready for the feed. The teat is simply inverted into the neck of the bottle and the cap screwed firmly down—the feed will remain sterile until required.

When baby is ready, the feed is warmed by placing the nurser into hot water; then the teat is snapped into position and the 'Nurser' is ready for feeding.

These important points have ensured the success of the 'MODERN' NURSER

KEEPS FEED STERILE
Hygienic plastic cap and disc keep feed and teat safe from infection.

SPECIAL 'MODERN' NURSER TEAT
With ribbed flange for feed control, also fits ordinary type bottles.

CALIBRATED BOTTLE
Marked in ozs. and ccs. Also available in heat-resistant glass.

WIDE NECK, EASY CLEANING
Allowing the teat to be inverted and sealed hygienically for storage and travelling.

'IT BREATHES AS IT FEEDS'
Controlled feeding is ensured by the special valve flange which allows air to enter into the bottle.

EXTRA TEATS
The special teat for the 'Modern' Nurser is available separately. Retail price 8d.

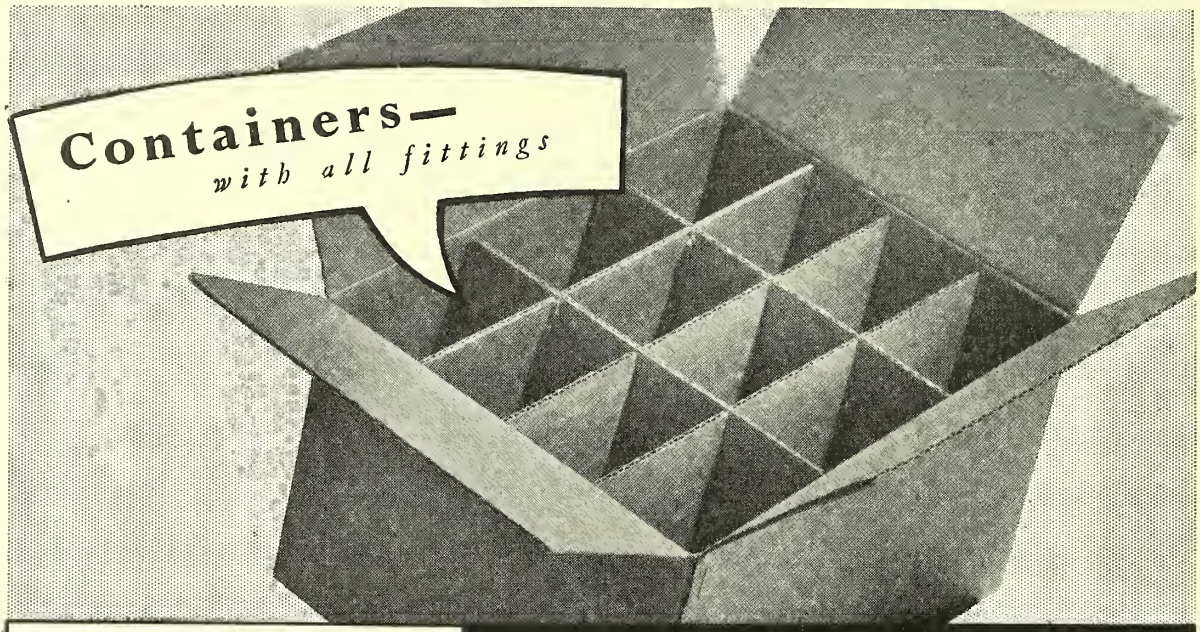
ATTRACTIVE PACK—FULL DIRECTIONS
The 'MODERN' NURSER is complete with clear glass bottle and calibrations, in attractive blue and pink cardboard sleeve, special 'MODERN' Nurser Teat, plastic cap and sealing disc, with fully illustrated directions for use.



The 'MODERN' NURSER

Retails at 2/3 each, also in heat-resistant glass at 3/6 each *FROM YOUR USUAL WHOLESALER*

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"ROADMASTER" NIGHTDRIVING GLASSES

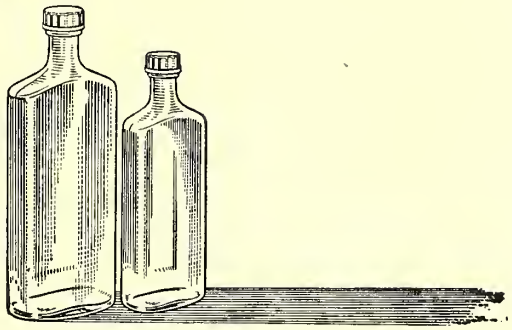
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Manufacturers: **FISH OPTICAL CO. LTD.★**
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★Makers of the world-famous 'SUNGARD' Sunglasses

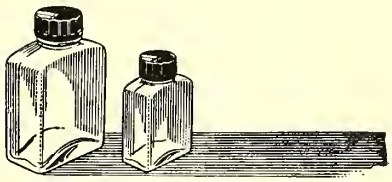
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THE BRITISH DYEWOOD COMPANY LIMITED
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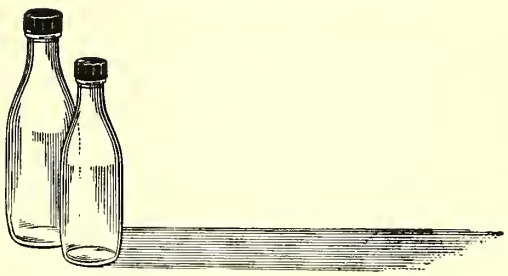
Pack to attract....

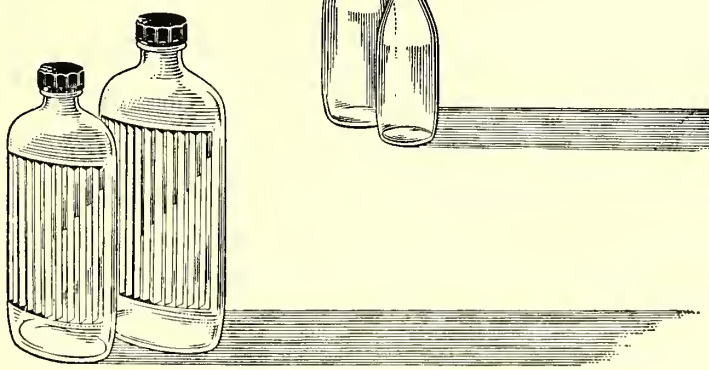


The discerning Pharmacist demands a container which combines attractive appearance with sound functional design. Beatson Bottles are produced especially to satisfy both these requirements—they look well, store well, handle well, pour well—Beatson Medicals, Panels, Ribbed Ovals, Emulsions, Tablets, Olive Oils, Corbyns and in fact every bottle used in Pharmacy is the better for being "BEATSON."



...in Beatson bottles





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GLASS BOTTLE MANUFACTURERS

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The Sign of a TRADE MARK REGISTERED *Good Bottle*

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new beautifully designed show card size 23" x 17½" in 6 bright colours?

Supplied with two side panels each 17"x10½" the whole making an attractive window display, or can be used separately as counter show cards.

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The complete set is FREE; ask our representative or write direct, sent post free.

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SURGICAL ELASTIC HOSIERY

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CAMTHOL LINCTUS
The Cough mixture for Adults

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In tins suitable for pocket and handbag

CAMTHOL VAPOUR RUB
Incorporating the finest Essential Oils

BONUS—Thirteen to the dozen on all orders

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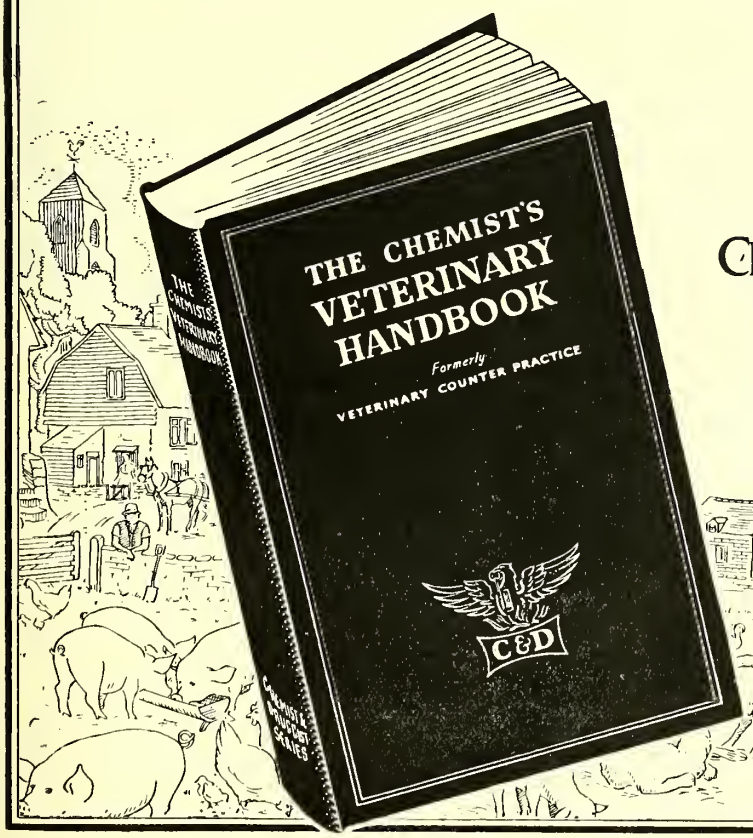
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There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year-round business comes your way.

CUTICURA SOAPS, OINTMENTS AND SHAVING STICKS HAVE ALWAYS CONTAINED CHLOROPHYLL

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B.P. and B.P.C.
PASTILLES
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LOZENGES
are always available in ample supply.

GIBSON'S SUPER QUALITY
"DIABETIC" SUGARLESS PASTILLES
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ELASTIC NET STOCKINGS

Real Lastonet stockings are always made to measure to ensure a perfect fit. Customers also prefer the feather-weight net which is cool, and stretches in all directions for firm even support. Lastonet discounts, too, are particularly generous! Send today for supply of measurement forms and display material to participate in this brisk trade.

* **Guaranteed for 6 months**
* **Supplied with ordinary National Health prescription**

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Always made to measure



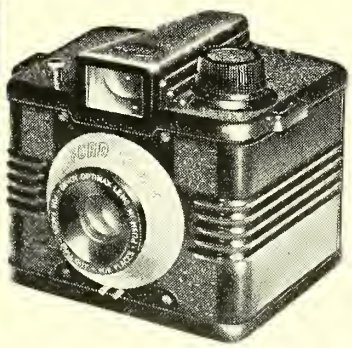
From the customer's point of view



The new Ilford Envoy camera is designed to attract more buyers to your counter. Feature the novel display unit and the attractive cartons in your window to bring in new box-camera customers — youngsters who have seen our advertisements in their own magazines, and grown-ups who want a simple, efficient snapshot camera.

Ilford advertisements are giving the Envoy a build-up in women's and junior magazines as a gift for all occasions — the ideal snap and flash camera for home, holiday and hobby.

ILFORD Envoy CAMERA



Simple to use and delightful to handle. Two-position lens for Faces and Places. Clear eye-level viewfinder. Flash contacts. Takes 8 pictures on 120 or 620 roll films.

RETAIL PRICE **39/9**

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ANTEMIN—an entirely new contraceptive cream recently introduced—constitutes a notable advance in modern methods of family planning. Formulated in the light of extensive research, it affords all the qualities desirable in a contraceptive preparation.

- **Spermicidal activity S/4.**
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- **Cosmetic-type cream base... Non-friable and tenacious.**
- **Non-irritant to vaginal mucosa. Non-toxic.**
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- **Approved by the Family Planning Association for use in conjunction with a mechanical barrier.**

Antemin

Retail Price . . . 3/- per tube
Trade Discount 33⅓%
Medical literature available to Pharmacists on request.

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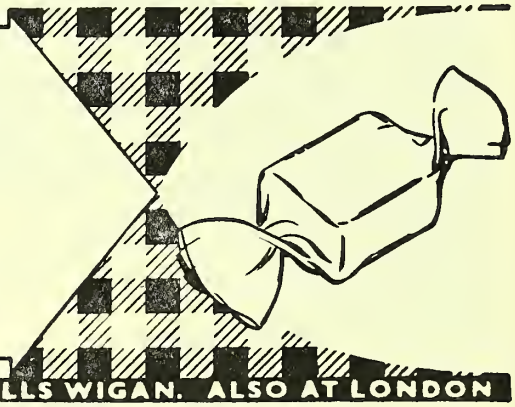
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HERE'S A SWEET PROFIT!

These are our new sweets — and how they're selling! Butterscotch flavoured, they contain glucose for quick energy, malt extract to keep you going, and they're packed in ¼ lb film bags (no weighing up) with the familiar tartan pattern

Remogen BRAND GLUCOSE & MALT CARAMELS



JEFFREYS, MILLER & CO. LTD. LEYLAND MILLS WIGAN. ALSO AT LONDON

ALUMINIUM GLYCINATE
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QUALITY COUNTS — CHEMICALS AND DRUGS FROM

ALOES
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ST. JAMES' BALM

The **ONE** *Ointment for the* **MANY** *Skin Troubles*



MBL

ST. JAMES' BALM is the proven remedy for common skin troubles — and for some quite uncommon ones too! Because it contains the broth filtrates of the microbes causing most skin infections, treatment is successful in an exceptional number of cases. ST. JAMES' BALM is therefore the ideal general-purpose ointment for family use.

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MEDICO-BIOLOGICAL LABORATORIES LTD.

CARGREEN ROAD, SOUTH NORWOOD, LONDON, S.E.25

PB.14

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Well, there *is* a connection between face powder and paint for both contain Sturge Precipitated Calcium Carbonate. This fine chemical, made under controlled conditions from specially-selected limestone, is supplied in twenty four coated and uncoated grades to suit a variety of industrial and pharmaceutical purposes. Choose the grade that best suits your product—you can be certain of the highest purity and uniformity. Write for *STURGE Technical Leaflets describing the grades of Precipitated Calcium Carbonate.*

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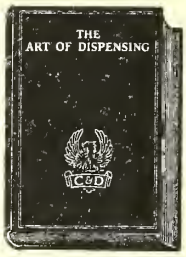
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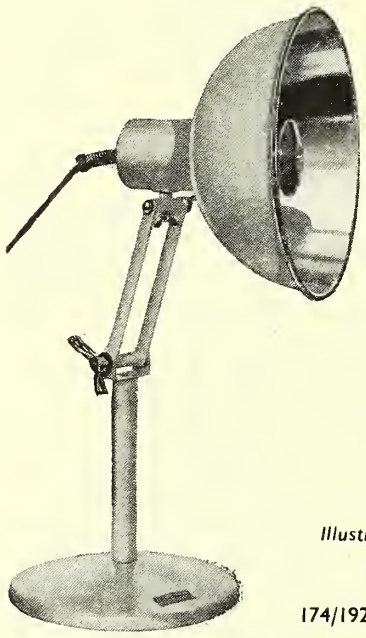
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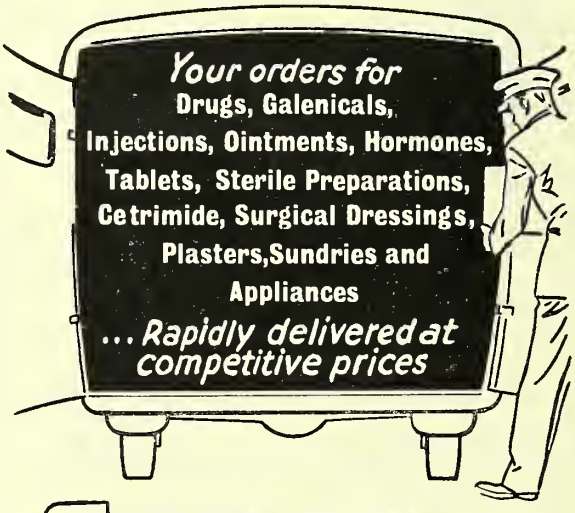
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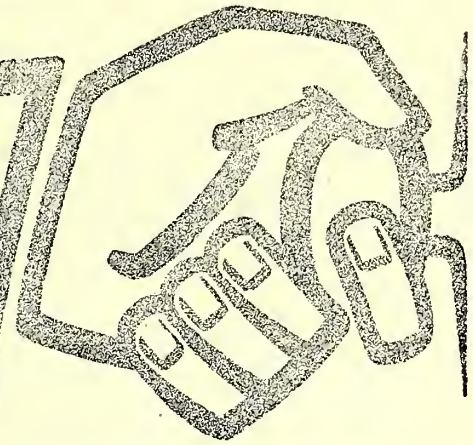
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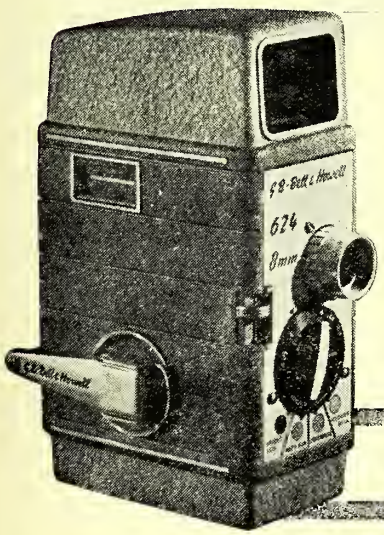
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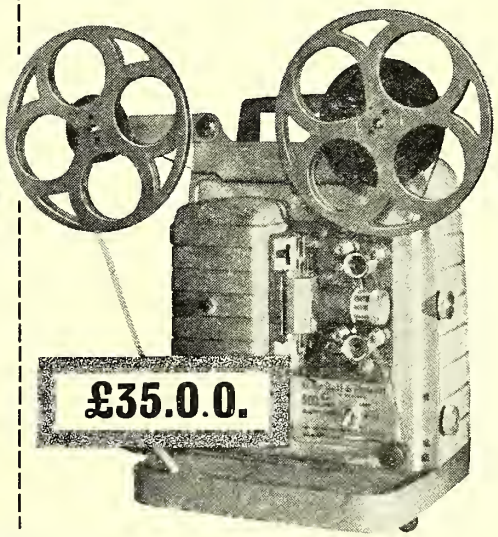
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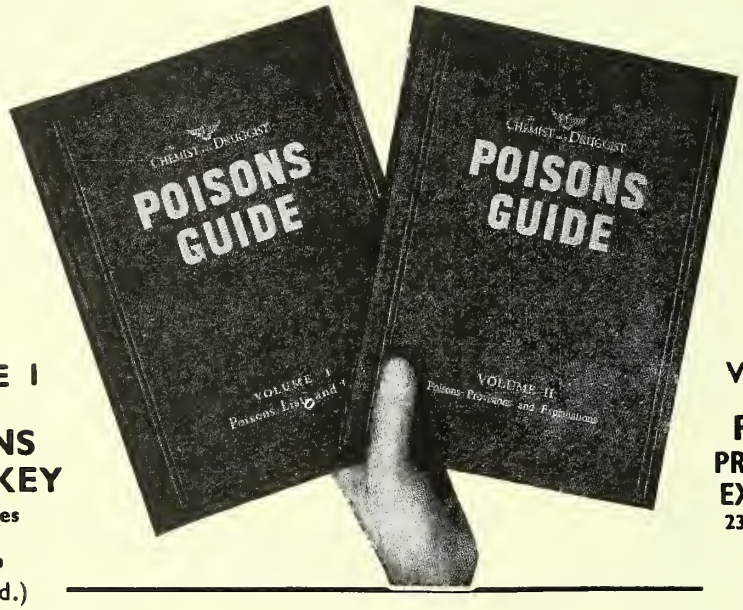
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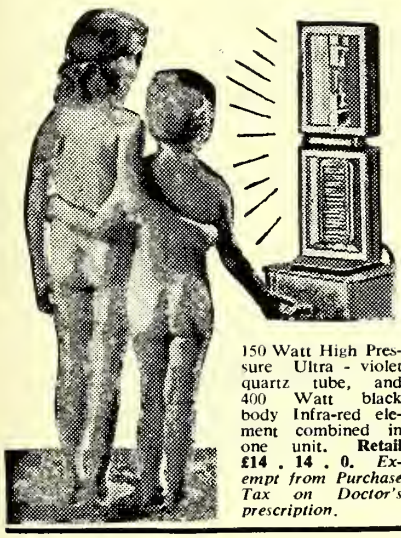
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150 Watt High Pressure Ultra - violet quartz tube, and 400 Watt black body Infra-red element combined in one unit. **Retail £14 . 14 . 0.** *Exempt from Purchase Tax on Doctor's prescription.*



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Be sure you take the fullest advantage of this great selling effort and order your stocks NOW.

IMPORTANT

Due to the newspaper strike, certain of our advertisements have not appeared in the National Press.

For this reason we have decided to spend the money thus released on local advertising for Perihel Stockists during the late autumn.

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in a compact, portable unit, is ADVERTISED to the Public in

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PURSENNID contains the pure Sennosides A & B of *Cassia augustifolia* in the form of their calcium salts.

PURSENNID, taken at bed-time, exerts a gentle but effective laxative action on the following morning.

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Tubes of 40 and 200 tablets, each containing 12 mg.

Schweiz. med. Wschr., 1941, **71**, 1093
Rev. méd. Suisse rom., 1941, **61**, 585
Amer. J. dig. Dis., 1945, **12**, 221

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From June 10 to June 18 when the Radio Times carries this advertisement into the homes of over seven million housewives the accent will be on Robinson's 'Lemon Barley Water.' Every other person in your town will see the advertisement . . . again and again, each day for at least these nine days. Sales will be stimulated. Be sure your window and counter displays remind shoppers that you are their nearest stockist of Robinson's 'Lemon Barley Water.'

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Order EXTRA supplies now and share to the full the increased business this advertisement will create. REMEMBER, JUNE 10 TO JUNE 18 COVERS TWO BUSY WEEKENDS.

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- ★ Easily and quickly applied in one application
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From your
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Price 3/4 complete plus P.T. retailing at 7/6



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HYDE PARK 7541 (12 lines)



"Miss Smith, did you ask Brome & Schimmer for Squills & Honey? – besides Botanicals they are good for Spices, Gums, Essential Oils & Waxes; and they are nice people to deal with."

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You'll sell your HINDS *on sight,* if you make a mass display of these eye-catching CORAL-PINK packs in your windows and on your counter!

Yes, Hinds will bring a bright splash of colour to your shop, and send up your sales too! So be sure to arrange appealing Spring displays using these smart tubes and jars and classical bottles supported with Hinds attractive show material in pink and yellow. Please write us if free show material is required. Remember —bold displays will certainly bring bigger profits to you!

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required for the Group, Whitley Council salary, £680 x £25—£780.
Applications, with full particulars and names of two referees, to Group Secretary, Yardley Green Hospital, Birmingham, 9. C 2457

BOSTON COMBINED HOSPITALS (319 Beds)
Pharmacist

required. Modern department. Nationally negotiated conditions and salary, at present £450 x £25(5)—£575.
Apply stating age, qualifications, experience (if any) and names of two referees, to the Hospital Secretary, Boston General Hospital, Boston, Lincs.
Locum welcomed for interim period, salary £14 14s. per week. C 8372

COLCHESTER GROUP HOSPITAL MANAGEMENT COMMITTEE
Assistant in Dispensing

Applications are invited for the post of Assistant in Dispensing at the Essex County Hospital, Colchester. Salary and conditions of service in accordance with Whitley Council decisions.
Applications, stating age, experience, qualifications and names of two referees, to Group Secretary, 14 Pope's Lane, Colchester, Essex. C 8420

BOW GROUP HOSPITAL MANAGEMENT COMMITTEE
Pharmacist

(Part-time: 24 hours per week) required at Poplar Hospital, East India Dock Road, E.14. Rate of pay 26s. per 4-hour session. Application forms from Group Secretary, 2A Bow Road, E.3. C 8398

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, N.W.10
Senior Pharmacist

required in large General Hospital. Salary on Whitley Council Scale plus London Weighting. Applications with full particulars to the Chief Pharmacist. C 8402

CHARING CROSS HOSPITAL, LONDON, W.C.2
Assistant in Dispensing

required, Whitley Council salary scale up to £480 p.a., according to age and experience. Write giving full particulars, together with the names of two referees to the House Governor. C 214

CHELTENHAM GROUP HOSPITAL MANAGEMENT COMMITTEE
Senior Pharmacist

Applications are invited for the post of Senior Pharmacist at the Cheltenham General, Eye & Children's Hospital. The salary and conditions of service will be in accordance with the Whitley Council decisions (£525 x £25 to £625 per annum) and subject to the National Health Service (Superannuation) Regulations. This is a newly created post and it is intended that dispensing services shall be provided for the in-patients at four other units in the Group.
Applications stating age and experience, together with the names of three referees should be sent immediately to the Group Secretary, Cheltenham General, Eye & Children's Hospital, Sandford Road, Cheltenham. C 8373

COUNTY HOSPITAL, GRIFFITHSTOWN, MON. (253 Beds)
Dispenser

required, Apothecaries' Hall or equivalent. Salary under 22 according to age, rising from £195 at 18 to £350 at 22. 22 or over, £350 x £15 (1) x £10 (1) x £15 (5) to £450. Write stating age, experience and two referees to T. A. Jones, Group Secretary, 64 Cardiff Road, Newport, Mon. C 8431

MANSFIELD HOSPITAL MANAGEMENT COMMITTEE
Pharmacist

Applications are invited for the post of Pharmacist with the above Management Committee. The main Pharmaceutical Department in the Group is situated at King's Mill Hospital, Sutton-in-Ashfield, with a subsidiary Pharmacy at the Mansfield and District General Hospital. Salary—£450 by £25 to £575.
National Health Service Whitley Council conditions. Applications stating age, qualifications, together with the names of two referees to be forwarded as soon as possible to the Group Secretary, Mansfield Hospital Management Committee, Crow Hill Drive, Mansfield. C 209

EAST HAM MEMORIAL HOSPITAL, SHREWSBURY ROAD, LONDON, E.7
Locum Assistant-in-Dispensing

about end of April for few weeks to cover sickness. Apothecaries' Hall qualification or equivalent. Apply Hospital Secretary. C 8430

MID-SUSSEX HOSPITAL MANAGEMENT COMMITTEE
Locum Pharmacist

required as soon as possible for an indefinite period at Cuckfield Hospital, Cuckfield, near Haywards Heath, Sussex. Resident accommodation available if female. Salary £14 14s. per week less £150 per annum if resident. Applications from suitably qualified persons should be sent to the Group Secretary at the above address. C 8432

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required. The Hospital is pleasantly situated and is only 18 miles from London. There are two other Dispensers in the Department. Salary according to Whitley Council scale, age 20, £240 p.a., 21, £275 p.a., 22 or over, £335 rising to £435 p.a. Preference will be given to holders of the Certificate of the Society of Apothecaries of London, or equivalent, for which an additional payment of £15 per annum is payable. Single accommodation can be provided at a reasonable charge.
Written applications with full details of age, experience, qualifications, etc., with names and addresses of two persons to whom reference may be made, to be sent to the Group Secretary. C 8345

NORTH MIDDLESEX HOSPITAL, EDMONTON, N.18
Locum Pharmacist

required June 6–October 1, 1955 (approx.). Salary £15 15s. per week. Applications stating age, qualifications, experience, with copies of testimonials and/or names of referees, to the Group Secretary, immediately. C 8438

PHARMACISTS

required for holiday relief duties at (1) Dulwich Hospital, East Dulwich Grove, S.E.22 (periods June 13 to 25 and July 11 to 23) and at (2) St. Giles' Hospital, Camberwell, S.E.5 (various periods from June to September).
Rate of pay according to qualifications and experience from 13 to 15 guineas weekly.
Apply to Group Secretary, Dulwich Hospital, or direct to Chief Pharmacist at either hospital. C 8441

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Assistant in Dispensing

required. Must have had commercial or hospital experience. Salary, age 21, £295 per annum; aged 22 or over, £355 per annum (including London Weighting) rising to £465 per annum, plus £15 per annum for approved certificates. Applications, with full details of age, experience, and names of two referees, to the Secretary. C 8414

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British subsidiary of leading American ethical pharmaceutical house have a vacancy in South Wales area for a Medical Representative. Pharmaceutical or medical background essential. Good starting salary and expenses. Car provided. Pension scheme. Applications, with full particulars of age, qualifications, experience and salary required in writing only, to the General Sales Manager, G. D. Searle & Co., Ltd., 17 Manchester Street, London, W.1. C 8411

Appointments—Continued

SOUTH-WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE, WEST MIDDLESEX HOSPITAL, ISLEWORTH

Locum Tenens Pharmacist

required from June 13, 1955, for an indefinite period. Salary 14 guineas per week. Applications to Chief Pharmacist. C 8415

SPRINGFIELD HOSPITAL, UPPER TOOTING, S.W.17

Assistant in Dispensing

Salary according to age on Whitley Council scales (£180 at 18 to £435 p.a.), plus London Weighting (£10 to £30 p.a.). Certificate of Society of Apothecaries of London, or equivalent, essential, for which additional £15 p.a. payable. Apply stating age, qualifications, experience and 2 referees to Group Secretary. C 8439

ST. PETER'S HOSPITAL, CHERTSEY, SURREY (404 Beds)

Pharmacist

required. Salary and conditions of service in accordance with Whitley scale. Applications stating age and experience with the names of two referees to the Hospital Secretary. C 8406

THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND STREET, LONDON, W.C.1

Deputy Chief Pharmacist

Applications are invited for the post of deputy chief pharmacist. Salary scale £575 x £25—£675 per annum, plus London Weighting, plus £25 qualification allowance when applicable.

Further particulars and form of application, which must be returned by May 6, 1955, are obtainable from the Secretary.

H. F. RUTHERFORD,
House Governor and Secretary.
C 8413

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8/6 for 36 words (min.) then 3d. per word. Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

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COVENTRY. Pharmacist required as assistant manager for central pharmacy. Male or female. Permanent position. Good supporting staff. No Sunday, holiday or rota duties; 44-hour week. Superannuation scheme in operation with transfer clause. Minimum salary £845 per annum, plus bonus. Apply with full particulars to Superintendent Chemist, Lockhurst Lane Co-operative Society, Ltd., Holmsdale Road, Coventry. C 2427

ASSISTANT PHARMACIST, lady or gentleman, required mainly for dispensing at South London pharmacy. Ten minutes from Charing Cross and London Bridge Stations. Hours 9 a.m. to 6 p.m. Adequate supporting staff. Pleasant working conditions. Long or short engagement. Commencing salary £780 p.a. Apply Box C 212.

BROWN & FRANCIS of Ludlow have a vacancy for an unqualified male assistant. Duties mainly dispensing. Pleasant situation, good salary. Early application appreciated. C 2459

BURTON-ON-TRENT. Good three-bedroomed living accommodation, rent, rate, gas and electricity free, plus approximately £700 per annum (salary, rota fee and bonus) for young pharmacist manager. No buying. Holiday this year. C. A. Rogers, Ltd., 234 Horninglow Road North, Burton-on-Trent. C 2456

CENTRAL LONDON. Young lady (unqualified) required chiefly for dispensing. The position is permanent, progressive and congenial. Saturday half-day. No Sunday, Bank Holiday or rota duties. Apply stating age and details of previous experience to Box C 8428.

CHISWICK. Pharmacist-manager required at once; 6 p.m. closing; good salary; young single chemist preferred, as living accommodation is not immediately available. Box C 8444.

DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of Pharmacists (male or female) as branch managers. Living accommodation with one post. Minimum rate £780 per annum. 44-hour week. Applications and usual particulars to Superintendent Chemist, St. Sepulchre Gate, Doncaster. C 199

ILFORD. Excellent opportunity for energetic Pharmacist to manage busy branch in pleasant area. Well-fitted shop. Adequate assistance. Up-to-date dispensary. Progressive salary with monthly bonus and rota duty payments. Modern flat available near branch. Permanency. Apply with full details stating when available for interview to Box C 2433.

ISLE OF MAN. (Assistant, unqualified.) Lady or gentleman wanted about the end of May. Capable, energetic assistant with some knowledge of photography chiefly for counter duties. Good salary to suitable applicant. State age, height and reference. Mr. Frank Purcell, Photographic Chemist, 97 Strand Street, Douglas, Isle of Man. C 2420

LADY DISPENSING ASSISTANT required for coastal market town pharmacy. Easy hours, salary according to age and experience. Apply to Allen & Neale (Chemists), Ltd., 55 High St., King's Lynn, Norfolk. Phone: 2459. C 2363

LONDON, W.C.1. Young lady required as counter assistant in busy modern pharmacy. Congenial position with Saturday half-day. Holiday with pay this year. Apply with usual particulars to Mr. Hancock of A. R. Cross, Ltd., 240/241 High Holborn, London, W.C.1, or phone Holborn 7379 for appointment. C 8386

MALE DISPENSER, unqualified, wanted. Excellent wages. Maxwell Gordon, Burton's Corner, Cricklewood Lane, N.W.2. Gla 9110. C 2460

MAYFAIR. Young lady counter assistant required immediately. Hours 8.30-5.30. Saturday half-day. Excellent salary for suitable applicant. Blake, Sandford & Blake, Ltd., 47 Dover Street, Piccadilly, W.1. Hyd. 2579. C 2429

NORTH-EAST COAST TOWN (pleasant seaside resort). Pharmacist required to manage easily worked dispensing business with adequate supporting staff. Salary, bonus and rota fees. Exceptional prospects of advancement. Modern house provided at reasonable rental. Interview necessary, expenses paid. Box C 8391.

PART-TIME PHARMACISTS, 10/- per hour, required. N.1, N.16, E.C.1, and Ilford. Some evenings 6-8 and/or Sunday mornings. Dispensing duties. Apply Kendale Dispensing Chemists, 51 Exmouth Market, E.C.1. Phone: Terminus 9494. C 8424

PHARMACIST REQUIRED for the position of Branch Manager, male or female. Applications in writing stating age, experience, and wage required together with copies of recent testimonials to the General Manager, Heckmondwike & District Co-operative Society, Ltd., 3 Oak Street (P.O. Box No. 16) Heckmondwike. (Suitable house available.) Endorse envelope "Chemist" in the top left-hand corner. C 2417

PHARMACIST REQUIRED for West End Shop. Must be young and energetic. Small dispensing, mainly counter trade, other staff. Good salary and prospects for suitable applicant. Telephone: Temple Bar 3367. C 2375

RICHMOND (near). Wanted, unqualified assistant for dispensing. Holidays by arrangement. Box C 2465.

SCOTLAND. Chemist wanted as manager in Montrose. Modern, well-fitted shop with competent supporting staff. Good salary will be paid with entry to superannuation scheme after initial period of service. A good four-apartment house with kitchen and bathroom is also available. Applications in writing stating age, experience and when available for interview to: Mr. G. M. Archibald, M.P.S., Technical Supervisor, S.C.W.S., Ltd., Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glasgow, S.W.1. C 2449

TEDDINGTON. Excellent opportunity for Pharmacist to manage family-type business in pleasant riverside district. Permanency with superannuation benefits. Good salary and commission. Nicely fitted shop with adequate supporting staff. Apply with full details stating when available for interview to Box C 2432.

WEST HARTLEPOOL. Pharmacist required to manage branch pharmacy. Modern shop and dispensary. Adequate supporting staff. Good initial salary plus bonus. Superannuation scheme in operation. Pleasant house with garden provided at modest rental. Expenses paid for interview. Superintendent, Hartlepools Co-operative Chemists, Ltd., West Hartlepool. C 8390

WHETSTONE. Pharmacist required to manage spacious well-fitted branch with substantial counter trade in pleasant North London suburb. Good opportunity for ambitious man to earn top salary together with monthly bonus and rota duty payments. Permanency with superannuation benefits, etc. Apply with full details stating when available for interview to Box C 2434.

LOCUMS WANTED

LOCUM OR PERMANENCY. Pharmacist commencing June required in middle-class retail and dispensing business in S.W. London. Give details of experience and salary expected. Apply W. J. Boyes, Ltd., 61 Balham Hill, S.W.12. C 2443

LOCUM PHARMACIST required in Bedfordshire market town for period July 18 to August 6 inclusive (suitable for Australian wishing to see English countryside). Apply G. Turner (Biggleswade), Ltd., High Street, Biggleswade, Phone: 2132. C 2467

LOCUM PHARMACISTS REQUIRED for London and Suburban areas, long or short periods. Permanency at conclusion of tour if desired. Salary and expenses basis. Apply to H. Warburton, M.P.S., Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 2435

RIKER

Riker Laboratories Limited invite applications from pharmacists for the post of Medical Representative for Northern England. This post provides the opportunity of joining a rapidly expanding pharmaceutical company marketing the products of two American research organisations. Previous experience in medical representation is not necessary as full training will be given. Remuneration is by salary, bonus, expenses, and a car is provided. There is a company pension scheme in operation. Apply in writing to the Sales Department, Morley Street, Loughborough, marking the envelope "Representative." C 8412

A MEDICAL REPRESENTATIVE is required to contact doctors in an area comprising South-East London and part of Kent. The position calls for a man of outstanding ability and character who can work on his own initiative. The situation is congenial and we are looking for a person who will make his career with us. Remuneration will be above average and a car provided. Residence in South-East London or West Kent is essential. Applications, which will be treated in the strictest confidence, should be addressed to the Sales Director, Geigy Pharmaceutical Company, Limited, Rhodes, Manchester. C 8442

Situations Open—Continued

WHOLESALE

PHARMACEUTICAL CHEMISTS

Applications are invited from male Pharmaceutical Chemists to fill vacancies in production control and development work associated with the sterile techniques used in the formulation and filling of antibiotics. A graduate in Pharmacy, preferably with an Engineering background or qualification in Pharmaceutical Engineering is required for one of these vacancies. The age limit for these posts is 32 years.

The positions are vacant at the Liverpool premises of The Distillers Company (Biochemicals), Limited, manufacturers of antibiotics. The Company operates non-contributory sickness and pensions schemes; canteen and social facilities are available and three weeks' annual holiday is given. Salary will depend on qualifications and experience.

Apply:
PERSONNEL MANAGER,
The Distillers Co. (Biochemicals), Ltd.,
Fleming Road, Speke, Liverpool, 19.
C 8416

ADVERTISING ASSISTANT

Parke, Davis & Co., Ltd., require a young pharmacist in their Advertising Department. He will be involved in all aspects of Advertising and Sales Promotion and in particular the compilation and presentation of medical literature from technical information provided, some literary ability is therefore an advantage. Generous pension plan, five-day week, staff restaurant. Write in the first instance giving full particulars of experience and present salary to:—

Personnel Manager,
Parke, Davis & Co., Ltd.,
Staines Road, Hounslow, Middlesex.
C 8405

A FIRST-CLASS OPPORTUNITY occurs for an experienced salesman to join a well-known organisation, marketing nationally advertised products primarily through the grocery, pharmaceutical and allied trades in the capacity of relief representative. Applicants should be resident in London but be prepared to cover the Southern half of England and Wales. The position is permanent and pensionable and offers considerable prospects for the right man and a car is provided. Applications giving full particulars to Box C 8417.

AN EXPERIENCED REPRESENTATIVE required by nationally known house of perfumery manufacturers for a territory comprising Kent, Surrey, Sussex, Berks, Oxon, South London and the West End. Applicants should have an established connection amongst retail chemists, departmental stores and co-operative societies on the ground indicated. Remuneration is by way of salary, expenses and commission. Write with fullest details to Saville Perfumery, Ltd., Rickmansworth Road, Watford, Herts. C 213

ASSISTANT SALES MANAGER
John Wyeth & Brother Limited

invite applications for the position of Assistant Sales Manager, Medical representative experience is essential, preferably with a period as a district or area supervisor, or as junior sales executive. Preference will be given to Pharmacists but other persons with the right background and experience will be considered. The successful applicant will be about 35, energetic, enthusiastic, willing to spend most of his time on outside duties. The appointment offers considerable scope for initiative and excellent prospects—superannuation scheme in force. Full particulars, including photograph, to: The Sales Manager, John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1. C 8429

BOTTLE TRAVELLER WANTED. Salesman/representative required with previous experience in selling bottles, jars and screw caps. Write giving full particulars to Reliance Trading Company, 13 New College Parade, Finchley Road, London, N.W.3. C 8366

CHEMIST REQUIRED (male or female) by leading company of manufacturing chemists in Yorkshire. Must be experienced in all branches of pharmaceutical analysis. Reply in confidence giving full particulars of qualifications, experience and salary required to Box C 8425.

EXPERIENCED MEDICAL REPRESENTATIVE with good contacts required in South Wales by firm of leading manufacturing chemists marketing ethical proprietaries in the United Kingdom. Good salary and generous expenses allowed. Car owner essential. Pension scheme. Please give full details of experience in initial application. Box C 8370.

FERRIS & CO., LTD., Bristol, require a Pharmacist to take charge of their department manufacturing galenicals, etc. Applications giving full details. C 8419

FOREWOMAN for packaging department, to take charge of staff engaged in packaging tablets, etc., in small or large quantities. Apply, the General Manager, Matthews and Wilson, Ltd., 6/8 Cole Street, S.E.1. C 2446

GOYA have a vacancy for a first-class representative in the North and West Riding of Yorkshire and the North Lancashire area. Experience of selling to chemists and departmental stores essential. Applicants should have had a good education and be of smart appearance. Please write, giving full details of past experience and age to the Sales Manager, Goya, Ltd., Badminton Court, Amersham, Bucks. C 8410

LABORATORY ASSISTANT for perfumery and cosmetic factory in North London. Good starting salary and prospects, pension scheme, 5-day week. Some laboratory experience essential, and keen sense of smell a great asset. Please write fully stating age and present salary to Box 4413, Frost-Smith Advg., 64 Finsbury Pavement, London, E.C.2. C 8369

MANAGER with pharmaceutical qualifications required for newly formed London distributing company of well-known German ethical drugs. Only experienced applicants should write, in confidence, stating age, experience, details of education, qualifications, and an indication of salary required to Box C 2466.

PHARMACIST with view to works managership required for manufacture and distribution of galenicals and sterile preparations. Excellent opportunity for young, able, and industrious person. Apply Managing Director, Borex Laboratories, Ltd., 47/51 Exmouth Market, E.C.1. Phone: Terminus 9494. C 8421

MEDICAL REPRESENTATIVE required immediately by Lederle Laboratories in Northamptonshire and Leicestershire area. Applicants should be men of striking personality and initiative, should be 25-35 and have a pharmaceutical qualification or experience with an ethical house or detail work among doctors and hospitals. Congenial, well-paid post backed by outstanding products and first-class promotional material. Liberal expenses, company car supplied. Fullest details in writing to Sales Manager, Lederle Laboratories Division, Cyanamid Products, Ltd., Bush House, London, W.C.2. C 8375

PARKE, DAVIS & CO., LTD., invite applications from pharmacists for the position of Head, Sterile Products Department. The position offers scope for development of a modern and expanding department. Five-day week. Staff restaurant, Generous pension plan. Write giving full particulars of age, qualifications and experience to Personnel Manager, Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex. C 8378

PFIZER, LTD.

Require an Assistant in their Purchasing Department. Experienced in pharmaceutical field with emphasis on sundries buying. Age between 25 and 30. Salary commensurate with experience. Five-day week. Good opportunity for right individual in expanding Company. Applications, in writing, stating age, experience, etc., to Personnel Officer, Pfizer, Ltd., 137-139 Sandgate Road, Folkestone, Kent. C 2458

PHARMACIST REQUIRED by West of England firm, aged 25/35, with some manufacturing experience, to take control of galenical laboratories. Box C 8418.

PHARMACIST REQUIRED for managing drug sales department old-established wholesale house, Lancashire. Five-day week, pension scheme. Applicants should give full details of experience, age and salary required to Box C 8433.

REPRESENTATIVE calling on chemists and fancy goods houses to carry additional lines of cheap/medium sunglasses. Good commission basis. Apply Box C 2445.

REPRESENTATIVE offered unusual opportunity in Birmingham on new pharmaceutical lines with wide opportunity. Write giving details of experience and particularly of intimate connections with chemists. State remuneration level and age. Use of a car essential. Our staff know of this advertisement. Write Box C 8435.

REPRESENTATIVE for prominent manufacturing and wholesale chemists in veterinary field. Calling on qualified veterinary profession only. To take over sound connection in Wales, Midland Counties, Norfolk and Suffolk. These areas have been fully developed. Car provided, good salary and quarterly turnover bonus. Usual expenses. Give fullest personal details, including age, and experience, etc., in confidence. Box C 8371.

REPRESENTATIVE REQUIRED by wholesale chemists' sundries house to take over an established connection in Manchester and district. Previous experience essential. Car provided or allowance on own car. Apply Heath Bros. & Sons, Ltd., 98/100 Chapel Street, Salford, 3. C 211

REPRESENTATIVE REQUIRED for Birmingham area by well-known pharmaceutical house. Must be thoroughly experienced and able to take over and develop existing connection in drugs, packed goods, sundries, etc. Salary, commission and expenses, car supplied, pension scheme. Full details of past experience, etc., to Home Sales Director, Box C 8364.

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College Road, Fishponds, Bristol

Situations Open—Continued

PRICING CLERK REQUIRED. Experienced in drugs and patents. Salary £500 p.a. for right person. Apply Managing Director, Biorex Laboratories, Ltd., 47/51 Exmouth Market, E.C.1. Phone: Terminus 9494. C 8422

REPRESENTATIVES OR AGENTS required by manufacturing chemists for development of a few important territories including London, Scotland, Lancashire, Yorkshire. The products, comprising proprietaries and medicated confectionery are recognised as outstanding in their class, providing exceptional scope for the right men. Generous commission terms to commence then salary, etc., basis after three months if desired. Applicants, car owners, must have strongly established connections amongst chemists, co-operatives and allied trades. Existing accounts passed over. Please send, in strict confidence, fullest possible details including age, selling experience, territory and lines carried, etc. Box C 2461.

REPUTABLE COMPANY marketing leading medicinal and toilet preparations, require three representatives as follows: Eastern Counties, Bristol and Birmingham areas. Retail experience essential, age under 40 years. Salary, expenses, superannuation; car provided. Write giving fullest details to Box C 8437.

REQUIRED by London Manufacturing Chemists, Medical Representative between the ages of 25 and 40, with good pharmaceutical background and knowledge of medical nomenclature, to visit doctors, hospitals, dentists and chemists in Yorkshire, Durham and Northumberland areas for the purpose of propaganda for ethical products. Applicants should state age, experience and salary required to Box C 215.

STERILE INJECTION DEPT. Operators and fillers required by Biorex Laboratories, Ltd. Apply 47/51 Exmouth Market, E.C.1. Phone: Terminus 9494. C 8423

VACUUM FLASK manufacturers require established traveller to call on retail trade for North and South London, Midlands, South Wales and Home Counties. Box C 2454.

CLERICAL

8/6 for 36 words (min.) then 3d. per word. Box 2/-

IMPORTANT and rapidly growing Pharmaceutical Manufacturers situated in London, with international affiliations, have an opening for Senior Export Assistant. Responsibilities will include the dealing with all correspondence from associated companies and agents overseas, relative to the development of our extensive sales programme. Previous experience is essential in this connection. We prefer a man with knowledge of the chemical and/or pharmaceutical industry and he should be within the age group 30/40. The qualities we are looking for include ambition and ability to obtain promotion on merit to a supervisory post, either at home or overseas. Replies which will be held in strict confidence should give full details of past experience and present salary. Apply Box C 8427.

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word. Box 1/-

RETAIL (HOME)

L.P.S.I., lady, seeks employment May 1 or after as a counter hand. South of England. Excellent references. Apply Box C 2450.

WHOLESALE

ADVERTISING. Ideas, reading matter, artwork for leaflets, booklets, etc., by publicity man with trade experience. Part-time available (London). Box C 2391.

REPRESENTATIVE REQUIRES position with reputable firm, territory South Wales, Herefordshire. Excellent connection chemists. Box C 2448.

AGENCIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENTS! Please write us if you call on chemists, stores or co-operatives. Vacant areas in some Northern, Midland, Eastern and Southwestern counties, also London. Most successful line, generous commission. Box C 2462.

YORKSHIRE sundries' house require agents in Lancashire, Midlands and Tyneside to carry range of toilet, surgical and dispensing sundries. Part expenses and commission. Excellent prospects for men with sound connections. Give full details to Box C 2468.

BUSINESS OPPORTUNITIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

A NEW COMPANY shortly to be formed to discount N.H.S. bills. Short-term rate of discount, 5 per cent. No security required for chemists controlling established businesses. Apply in strictest confidence to Box C 2447.

IS THE CLERICAL side of your business being neglected through pressure of work? If so, contact Box C 2451 and your office worries are settled. Moderate fees for all types of work.

OLD-ESTABLISHED manufacturing chemists now have additional facilities for the manufacture and packaging of pharmaceutical or toilet preparations. Enquiries to Box C 2452.

STRIP PACKED ASPIRIN TABLETS, B.P., 5 gr. Inquiries solicited. The Dales Tablet Makers, Ltd., Steeton, Yorkshire. C 185

TABLETS AND PILLS

Specialists in the manufacture of Tablets and Pills invite inquiries for all kinds of Tablet and Pill work, Varnishing, Pearl, Sugar and Enteric Coating undertaken. We are able to offer good deliveries of first-quality to highest standards of compression and finished appearance at extremely competitive prices. We will also undertake the manufacture of customers' own material and the coating of partly finished Tablets and Pills. Your inquiries will receive prompt and confidential attention. Box C 2464.

WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks. Discontinued lines. Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 153

MEDICAL BOTTLES, tablet bottles, closures and all types of packaging materials purchased, no quantity too large. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4. Mansion House 3951-2. C 178

WANTED: Redundant/surplus stocks of aniline oil; redundant/surplus barytes; sodium bichromate crystals; amber micro crystalline wax 150/160° M.P. 3 tons technical urea, 46 per cent. Ni. 1 ton potassium nitrate; 2/3 tons di-ammonium phosphate. 5 cwts. cheap priced gum tragacanth. Apply Box C 8426.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020, 7692. C 140

SALES BY AUCTION

18/- per half-inch (min.) and pro rata. Box 2/-

B. NORMAN & SON, 2/5 Little Britain (close to G.P.O.), London, E.C.1, will sell by Auction on Wednesday, May 11, at 1.30 p.m., excellent Shop Fittings and Showcases suitable for chemists and druggists. Drug Runs, Nests of Drawers, Plate-glass Counters, Cash Tills, Safe, Typewriters, Office Desks, etc. View day prior. Catalogues on application. C 8434

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

CALLING WELSH CHEMISTS. This year's novelty perfume for seasonal trade, "Welsh Lady" novelty perfume bottles, and Welsh violets or heather. Retail 2/6. Send for sample doz., £1, for Whitsun. Dawsons, Brimscombe, Stroud. C 2431

MODERN CHEMISTS SHOPFITTINGS, drug ranges, wall cases and frameless sliding doors, display counters and showcases; all types of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist Shop Fitters & Shop Front Builders, 14/16 Manchester Street, Liverpool. C 141

TENDERS

TENDERS FOR SUPPLIES

Tenders are invited by the Bexley, Darenth and Stone, Dartford, Orpington and Sevenoaks, and Sidcup and Swanley Hospital Management Committees for the supply of:—

(a) Medical and Surgical Sundries;

(b) Surgical dressings.

Tenders are also invited by the three first named of the above Committees for drugs, chemicals and pharmaceutical preparations.

Forms of tender can be obtained from the Supplies Officer, Dartford Hospital Management Committee, The Bow Arrow Hospital, Dartford, and must be delivered to the office of the undersigned as directed on the form by not later than 10 a.m. on Monday, May 16, 1955.

E. J. M. DURRANT,
Group Secretary.

Dartford Hospital Management Committee.
The Bow Arrow Hospital,
Dartford, Kent.
April 25, 1955. C 8440

MISCELLANEOUS

CASH REGISTER RENTAL SERVICE. Cash register sales and rental repairs. Automatic tills and supplies, Stevensons, 52 Gray's Inn Road, W.C.1 (Holborn 2724). C 8269

SCALES AND WEIGHING MACHINES. Penny-in-the-slot and steelyard types. Dispensing scales. Write for details to Dept. "P," Vandome & Hart, Ltd., Wenlock Road, London, N.1. (Established 1660.) Showrooms, High Street, Kingston-on-Thames. C 207

SHOWCASES, SHOWCASES, SHOWCASES. Latest designs. All sizes including glass counters. Free delivery. Write for details to (Dept. "P"), Vandome & Hart, Ltd., Wenlock Rd., London, N.1. (Established 1660.) Showrooms, High Street, Kingston-on-Thames. C 196

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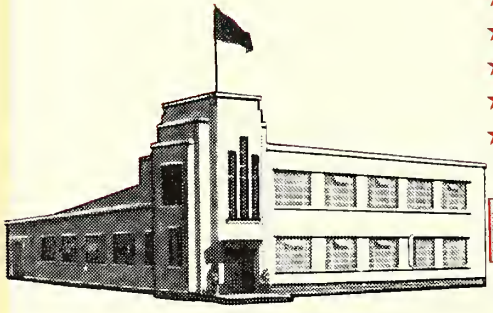
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